

GenCore version 5.1.6
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OM nucleic - nucleic search, using bw model

Run on: December 1, 2005, 15:55:47 ; Search time 787 Seconds
(without alignments)
5316.779 Million cell updates/sec

Title: US-09-675-650-1

Perfect score: 506
Sequence: 1 caggagacacacaaaggaagc.....ggctcacacagatgcacac 506

Scoring table: IDENTITY NUC
Gap 10.0, Gapext 1.0

Searched: 9793542 seqs, 4134689005 residues

Total number of hits satisfying chosen parameters: 11068096

Minimum DB seq length: 10
Maximum DB seq length: 50

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications NA_Main.*
1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq.*
2: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq.*
3: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq.*
4: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq.*
5: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq.*
6: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq.*
7: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq.*
8: /cgn2_6/ptodata/1/pubpna/US10D_PUBCOMB.seq.*
9: /cgn2_6/ptodata/1/pubpna/US10E_PUBCOMB.seq.*
10: /cgn2_6/ptodata/1/pubpna/US11_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|----------------------|-----------------------|
| 1 | 28.8 | 5.7 | 50 | US-10-880-425A-36 | Sequence 36, Appl |
| 2 | 26 | 5.1 | 26 | US-10-880-425A-40 | Sequence 40, Appl |
| 3 | 24.6 | 4.9 | 33 | US-10-880-425A-35 | Sequence 35, Appl |
| 4 | 23 | 4.5 | 23 | US-10-880-425A-38 | Sequence 38, Appl |
| 5 | 22.6 | 4.5 | 47 | US-10-294-934-711 | Sequence 711, Appl |
| 6 | 21 | 4.2 | 40 | US-10-469-851-190 | Sequence 190, Appl |
| 7 | 20.6 | 4.1 | 31 | US-10-880-425A-32 | Sequence 32, Appl |
| 8 | 20.6 | 4.1 | 40 | US-10-469-851-189 | Sequence 189, Appl |
| 9 | 20.6 | 4.1 | 50 | US-10-131-827-7842 | Sequence 7842, Appl |
| 10 | 20.2 | 4.0 | 40 | US-10-027-632-176733 | Sequence 176733, Appl |
| 11 | 20.2 | 4.0 | 40 | US-10-027-632-176733 | Sequence 176733, Appl |
| 12 | 20.2 | 4.0 | 40 | US-10-027-632-176733 | Sequence 176733, Appl |
| 13 | 20.2 | 4.0 | 40 | US-10-027-632-176733 | Sequence 176733, Appl |
| 14 | 20 | 4.0 | 20 | US-10-880-425A-3 | Sequence 3, Appl |
| 15 | 20 | 4.0 | 20 | US-10-880-425A-45 | Sequence 45, Appl |
| 16 | 19.8 | 3.9 | 41 | US-10-167-634-127 | Sequence 127, Appl |
| 17 | 19.8 | 3.9 | 47 | US-10-349-143-337 | Sequence 337, Appl |
| 18 | 19.8 | 3.9 | 50 | US-10-131-827-7174 | Sequence 7174, Appl |
| 19 | 19.6 | 3.9 | 47 | US-10-349-143-3643 | Sequence 3643, Appl |
| 20 | 19.4 | 3.8 | 50 | US-09-748-463-33 | Sequence 33, Appl |
| 21 | 19.4 | 3.8 | 50 | US-10-131-827-5392 | Sequence 5392, Appl |
| 22 | 19.4 | 3.8 | 50 | US-10-847-233A-28 | Sequence 28, Appl |
| 23 | 19.2 | 3.8 | 25 | US-10-719-900-688427 | Sequence 688427, Appl |

| | | | | | | |
|-------|------|-----|----|----|----------------------|-----------------------|
| c. 24 | 19.2 | 3.8 | 25 | 8 | US-10-719-900-688428 | Sequence 688428, Appl |
| 25 | 19.2 | 3.8 | 25 | 8 | US-10-719-900-688428 | Sequence 688428, Appl |
| c. 26 | 19.2 | 3.8 | 25 | 8 | US-10-809-189-121545 | Sequence 121545, Appl |
| 27 | 19.2 | 3.8 | 25 | 10 | US-11-036-317-763515 | Sequence 763515, Appl |
| c. 28 | 19.2 | 3.8 | 25 | 6 | US-10-131-827-1279 | Sequence 1279, Appl |
| c. 29 | 19 | 3.8 | 19 | 9 | US-10-880-425A-4 | Sequence 4, Appl |
| c. 30 | 19 | 3.8 | 50 | 6 | US-10-131-827-6233 | Sequence 6233, Appl |
| c. 31 | 19 | 3.8 | 50 | 6 | US-10-131-827-6377 | Sequence 6377, Appl |
| c. 32 | 19 | 3.8 | 50 | 6 | US-10-690-487-126 | Sequence 126, Appl |
| c. 33 | 18.8 | 3.7 | 25 | 7 | US-10-681-773-92465 | Sequence 92465, Appl |
| c. 34 | 18.8 | 3.7 | 25 | 7 | US-10-681-773-92465 | Sequence 92465, Appl |
| c. 35 | 18.8 | 3.7 | 25 | 8 | US-10-719-900-670987 | Sequence 670987, Appl |
| c. 36 | 18.8 | 3.7 | 41 | 7 | US-10-035-833A-1945 | Sequence 1945, Appl |
| c. 37 | 18.8 | 3.7 | 41 | 7 | US-10-035-833A-1945 | Sequence 1945, Appl |
| c. 38 | 18.8 | 3.7 | 42 | 3 | US-09-790-417-233 | Sequence 233, Appl |
| c. 39 | 18.8 | 3.7 | 42 | 3 | US-09-790-417-233 | Sequence 233, Appl |
| c. 40 | 18.8 | 3.7 | 42 | 3 | US-09-790-417-233 | Sequence 233, Appl |
| c. 41 | 18.8 | 3.7 | 42 | 3 | US-09-790-417-233 | Sequence 233, Appl |
| c. 42 | 18.8 | 3.7 | 43 | 6 | US-10-032-585-1827 | Sequence 1827, Appl |
| c. 43 | 18.8 | 3.7 | 47 | 6 | US-10-349-143-657 | Sequence 657, Appl |
| c. 44 | 18.8 | 3.7 | 47 | 7 | US-10-294-934-646 | Sequence 646, Appl |
| 45 | 18.8 | 3.7 | 50 | 5 | US-10-011-931-74 | Sequence 74, Appl |

ALIGNMENTS

RESULT 1
US-10-880-425A-36/C
Sequence 36, Application US/10880425A
Publication No. US20050164223A1
GENERAL INFORMATION:
APPLICANT: Schalken, Jack A.
APPLICANT: Hesse, Frank
APPLICANT: Hesse, Frank
APPLICANT: Verhaegh, Gerald
TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
FILE REFERENCE: 1619, 0190000/JAG/CMB
CURRENT APPLICATION NUMBER: US/10/880, 425A
CURRENT FILING DATE: 2004-06-30
PRIORITY APPLICATION NUMBER: CA 2,432,365
PRIORITY FILING DATE: 2003-06-30
NUMBER OF SEQ ID NOS: 46
SOFTWARE: PatentIn version 3.2
SEQ ID NO 36
LENGTH: 50
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic Construct
US-10-880-425A-36
Query Match 5.7%; Score 28.8; DB 9; Length 50;
Best Local Similarity 93.8%; Pred. No. 85;
Matches 30; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Db 50 CCATCTGGGTGATCGATGAGCCCTGCTCTAT 19
Oy 279 CCATCTGGGTGATCGATGAGCCCTGCTCTAT 310
RESULT 2
US-10-880-425A-40/C
Sequence 40, Application US/10880425A
Publication No. US20050164223A1
GENERAL INFORMATION:
APPLICANT: Schalken, Jack A.
APPLICANT: Hesse, Frank
APPLICANT: Hesse, Frank
APPLICANT: Verhaegh, Gerald
TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
FILE REFERENCE: 1619, 0190000/JAG/CMB
CURRENT APPLICATION NUMBER: US/10/880, 425A
CURRENT FILING DATE: 2004-06-30
PRIORITY APPLICATION NUMBER: CA 2,432,365
PRIORITY FILING DATE: 2003-06-30
NUMBER OF SEQ ID NOS: 46
SOFTWARE: PatentIn version 3.2
SEQ ID NO 36
LENGTH: 50
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic Construct
US-10-880-425A-40

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/ FILE REFERENCE: 1619.0190000/JAG/CMB
/ CURRENT APPLICATION NUMBER: US/10/880,425A
/ PRIOR FILING DATE: 2004-06-30
/ PRIOR APPLICATION NUMBER: CA 2,432,365
/ PRIOR FILING DATE: 2003-06-30
/ NUMBER OF SEQ ID NOS: 46
/ SOFTWARE: Patent in version 3.2
/ SEQ ID NO: 40
/ LENGTH: 26
/ TYPE: RNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Synthetic Construct
US-10-880-425A-40

Query Match
Best Local Similarity 100.0%; Score 26; DB 9; Length 26;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 362 CTTAAAGATGGCAGAAACAGAT 387
Db 26 CTTAAAGATGGCAGAAACAGAT 1

RESULT 3
US-10-880-425A-35
/ Sequence 35, Application US/10880425A
/ Publication No. US20050164223A1
/ GENERAL INFORMATION:
/ APPLICANT: Schalken, Jack A.
/ APPLICANT: Smit, Frank
/ APPLICANT: Hesselg, Daphne
/ APPLICANT: Verhaegh, Gerald
/ TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
/ FILE REFERENCE: 1619.0190000/JAG/CMB
/ CURRENT APPLICATION NUMBER: US/10/880,425A
/ PRIOR FILING DATE: 2004-06-30
/ PRIOR APPLICATION NUMBER: CA 2,432,365
/ PRIOR FILING DATE: 2003-06-30
/ NUMBER OF SEQ ID NOS: 46
/ SOFTWARE: Patent in version 3.2
/ SEQ ID NO: 35
/ LENGTH: 33
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Synthetic Construct
US-10-880-425A-35

Query Match
Best Local Similarity 87.1%; Score 24.6; DB 9; Length 33;
Matches 27; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Oy 3 GGAAGCACAAGGAAGCAGAGTAACTG 33
Db 1 GGAAGCACAAGGAAGCAGAGTCCCTG 31

RESULT 4
US-10-880-425A-38/C
/ Sequence 38, Application US/10880425A
/ Publication No. US20050164223A1
/ GENERAL INFORMATION:
/ APPLICANT: Schalken, Jack A.
/ APPLICANT: Smit, Frank
/ APPLICANT: Hesselg, Daphne
/ APPLICANT: Verhaegh, Gerald
/ TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
/ FILE REFERENCE: 1619.0190000/JAG/CMB
/ CURRENT APPLICATION NUMBER: US/10/880,425A
/ PRIOR FILING DATE: 2004-06-30
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/ PRIOR APPLICATION NUMBER: CA 2,432,365
/ PRIOR FILING DATE: 2003-06-30
/ NUMBER OF SEQ ID NOS: 46
/ SOFTWARE: Patent in version 3.2
/ SEQ ID NO: 38
/ LENGTH: 23
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Synthetic Construct
US-10-880-425A-38

Query Match
Best Local Similarity 100.0%; Score 23; DB 9; Length 23;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 279 CCATCTGGTCATGATGAGCC 301
Db 23 CCATCTGGTCATGATGAGCC 1

RESULT 5
US-10-294-934-711
/ Sequence 711, Application US/10294934
/ Publication No. US20040038231A1
/ GENERAL INFORMATION:
/ APPLICANT: Blumenfeld, Marla
/ APPLICANT: Chumakov, Ilya
/ APPLICANT: Bougueleret, Lydie
/ APPLICANT: Cohen, Amick
/ TITLE OF INVENTION: BIALLELIC MARKERS RELATED TO GENES INVOLVED IN DRUG METABOLISM
/ FILE REFERENCE: 62.US4.DIV
/ CURRENT APPLICATION NUMBER: US/10/294,934
/ PRIOR FILING DATE: 2000-09-27
/ PRIOR APPLICATION NUMBER: US 09/671,317
/ PRIOR FILING DATE: 2000-09-27
/ PRIOR APPLICATION NUMBER: US 09/536,178
/ PRIOR FILING DATE: 2000-03-23
/ PRIOR APPLICATION NUMBER: PCT/IB00/00403
/ PRIOR FILING DATE: 2000-03-24
/ PRIOR APPLICATION NUMBER: US 60/126,269
/ PRIOR FILING DATE: 1999-03-25
/ PRIOR APPLICATION NUMBER: US 60/131,961
/ PRIOR FILING DATE: 1999-04-30
/ NUMBER OF SEQ ID NOS: 977
/ SOFTWARE: Patent .pm
/ SEQ ID NO: 711
/ LENGTH: 47
/ TYPE: DNA
/ ORGANISM: Homo Sapiens
/ FEATURE:
/ NAME/KEY: allele
/ LOCATION: 24
/ OTHER INFORMATION: 12-504-428 : polymorphic base G or C
US-10-294-934-711

Query Match
Best Local Similarity 75.7%; Score 22.6; DB 7; Length 47;
Matches 28; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

Oy 62 AATTTTGAAGGCTTAAGTCTCTACTGTTCT 98
Db 3 AAGTTTGAAGGCTTAAGTCTCTCAAGAGTTCT 39

RESULT 6
US-10-469-851-190/C
/ Sequence 190, Application US/10469851
/ Publication No. US20040219677A1
/ GENERAL INFORMATION:
/ APPLICANT: CAVIA
/ TITLE OF INVENTION: SYNTHETIC GENES AND BACTERIAL PLASMIDS DEVOID OF Cpg
/ FILE REFERENCE: FP - D. 0200862
```

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; CURRENT APPLICATION NUMBER: US/10/469,851
; CURRENT FILING DATE: 2003-09-05
; PRIOR APPLICATION NUMBER: FR01/03274
; PRIOR FILING DATE: 2001-03-09
; NUMBER OF SEQ ID NOS: 360
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 190
; LENGTH: 40
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: assembling oligo for Cpg-free lacZ
US-10-469-851-190

```

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Query Match 4.2%; Score 21; DB 8; Length 40;
Best Local Similarity 73.0%; Pred. No. 2.6e+04;
Matches 27; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

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Qy 257 CCTGGAGAAATGCCCGCCCATCTTGGCTATC 293
Db 40 CTCTCAGACATGCGACGACCCACTGGGGTCTC 4

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RESULT 7
US-10-349-143-66/c
; Sequence 66, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Ballelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CPI
; CURRENT APPLICATION NUMBER: US/10/349,143
; CURRENT FILING DATE: 2003-01-21
; PRIOR APPLICATION NUMBER: US/09/422,978
; PRIOR FILING DATE: 1999-10-20
; PRIOR APPLICATION NUMBER: US 09/298,850
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 66
; LENGTH: 47
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 24
; OTHER INFORMATION: 99-12652-459 : polymorphic base A or G
US-10-349-143-66

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Query Match 4.2%; Score 21; DB 6; Length 47;
Best Local Similarity 63.8%; Pred. No. 2.8e+04;
Matches 30; Conservative 1; Mismatches 16; Indels 0; Gaps 0;

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Qy 42 AGCACTAATTTCTACTCAGAAATTTTGAGCGCTTAAGTCTCT 88
Db 47 AGGCTCAGTTTCCACAGAGATTCTTTAAGGCTGTGAGTTCTCT 1

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RESULT 8
US-10-880-425A-32
; Sequence 32, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Heesels, Frank
; APPLICANT: Heesels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,

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; TITLE OF INVENTION: and Kite therefor
; FILE REFERENCE: 1619.019000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 32
; LENGTH: 31
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-32

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Query Match 4.1%; Score 20.6; DB 9; Length 31;
Best Local Similarity 85.2%; Pred. No. 3e+04;
Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

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Qy 7 GCACAAAGAGACAGACAGAGTAAGTG 33
Db 1 GCACAAAGAGACAGACAGATCCCTG 27

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RESULT 9
US-10-469-851-189
; Sequence 189, Application US/10469851
; Publication No. US20040219677A1
; GENERAL INFORMATION:
; APPLICANT: CAYLA
; TITLE OF INVENTION: SYNTHETIC GENES AND BACTERIAL PLASMIDS DEVOID OF CPG
; FILE REFERENCE: FP - D. 0200862
; CURRENT APPLICATION NUMBER: US/10/469,851
; CURRENT FILING DATE: 2003-09-05
; PRIOR APPLICATION NUMBER: FR01/03274
; PRIOR FILING DATE: 2001-03-09
; NUMBER OF SEQ ID NOS: 360
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 189
; LENGTH: 40
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: assembling oligo for Cpg-free lacZ
US-10-469-851-189

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Query Match 4.1%; Score 20.6; DB 8; Length 40;
Best Local Similarity 74.3%; Pred. No. 3.5e+04;
Matches 26; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

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Qy 278 GCCATCTGGGTATCATGATGAGCCTCGCCCTGTGC 312
Db 2 GCCACTGGGGTCTATCTGTGAGCTGTTCATGGGC 36

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RESULT 10
US-10-131-827-7842/c
; Sequence 7842, Application US/10131827
; Publication No. US20040009479A1
; GENERAL INFORMATION:
; APPLICANT: Wohlgenuth, Jay
; APPLICANT: Fry, Kirk
; APPLICANT: Woodward, Robert
; APPLICANT: Ly, Ngoc
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING AND MONITORING AUTOIMMUNE
; FILE REFERENCE: 506612000120
; CURRENT APPLICATION NUMBER: US/10/131,827
; CURRENT FILING DATE: 2002-09-06
; PRIOR APPLICATION NUMBER: US 10/006,290
; PRIOR FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: US 60/296,764

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/ PRIOR FILING DATE: 2001-06-08
/ NUMBER OF SEQ ID NOS: 9090
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO: 7842
/ LENGTH: 50
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-10-131-827-7842

Query Match 4.1%; Score 20.6; DB 6; Length 50;
Best Local Similarity 67.4%; Pred. No. 3.9e+04;
Matches 29; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

Qy 265 GAATGCCCGCCGCGCATCTTGAGTCATGATGAGCGCCGCCC 307
Db 45 GAAAGTGGCCACCCACCATCTTGGAGCTCTGTGAGCAAGAC 3

RESULT 11
US-10-027-632-176733/c
/ Sequence 176733, Application US/10027632
/ Publication No. US20020198371A1
/ GENERAL INFORMATION:
/ APPLICANT: Wang, David G.
/ TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
/ FILE REFERENCE: 108827.129
/ CURRENT APPLICATION NUMBER: US/10/027,632
/ PRIOR FILING DATE: 2002-04-30
/ PRIOR APPLICATION NUMBER: US 60/218,006
/ PRIOR FILING DATE: 2000-07-12
/ PRIOR APPLICATION NUMBER: US 60/198,676
/ PRIOR FILING DATE: 2000-04-20
/ PRIOR APPLICATION NUMBER: US 60/193,483
/ PRIOR FILING DATE: 2000-03-29
/ PRIOR APPLICATION NUMBER: US 60/185,218
/ PRIOR FILING DATE: 2000-02-24
/ PRIOR APPLICATION NUMBER: US 60/167,363
/ PRIOR FILING DATE: 1999-11-23
/ PRIOR APPLICATION NUMBER: US 60/156,358
/ PRIOR FILING DATE: 1999-09-28
/ PRIOR APPLICATION NUMBER: US 60/146,002
/ PRIOR FILING DATE: 1999-08-09
/ NUMBER OF SEQ ID NOS: 325720
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO: 176733
/ LENGTH: 40
/ TYPE: DNA
/ ORGANISM: Human
US-10-027-632-176733

Query Match 4.0%; Score 20.2; DB 5; Length 40;
Best Local Similarity 75.8%; Pred. No. 4.7e+04;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 325 GTGAGGGAAGACATTAGAAAATGAATTGATGT 357
Db 34 CTCAGAGAAAGAAAGTCGAAAATGAGATTCTGT 2

Query Match 4.0%; Score 20.2; DB 5; Length 40;
Best Local Similarity 75.8%; Pred. No. 4.7e+04;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

RESULT 12
US-10-027-632-176733/c
/ Sequence 176733, Application US/10027632
/ Publication No. US20030204075A9
/ GENERAL INFORMATION:
/ APPLICANT: Wang, David G.
/ TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
/ FILE REFERENCE: 108827.129
/ CURRENT APPLICATION NUMBER: US/10/027,632
/ PRIOR FILING DATE: 2002-04-30
/ PRIOR APPLICATION NUMBER: US 60/218,006
/ PRIOR FILING DATE: 2000-07-12

/ PRIOR APPLICATION NUMBER: US 60/198,676
/ PRIOR FILING DATE: 2000-04-20
/ PRIOR APPLICATION NUMBER: US 60/193,483
/ PRIOR FILING DATE: 2000-03-29
/ PRIOR APPLICATION NUMBER: US 60/185,218
/ PRIOR FILING DATE: 2000-02-24
/ PRIOR APPLICATION NUMBER: US 60/167,363
/ PRIOR FILING DATE: 1999-11-23
/ PRIOR APPLICATION NUMBER: US 60/156,358
/ PRIOR FILING DATE: 1999-09-28
/ PRIOR APPLICATION NUMBER: US 60/146,002
/ PRIOR FILING DATE: 1999-08-09
/ NUMBER OF SEQ ID NOS: 325720
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO: 176733
/ LENGTH: 40
/ TYPE: DNA
/ ORGANISM: Human
US-10-027-632-176733

Query Match 4.0%; Score 20.2; DB 6; Length 40;
Best Local Similarity 75.8%; Pred. No. 4.7e+04;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 325 GTGAGGGAAGACATTAGAAAATGAATTGATGT 357
Db 34 CTCAGAGAAAGAAAGTCGAAAATGAGATTCTGT 2

RESULT 13
US-10-143-897-6
/ Sequence 6, Application US/10143897
/ Publication No. US20030171273A1
/ GENERAL INFORMATION:
/ APPLICANT: Berg, Patricia
/ TITLE OF INVENTION: No. US20030171273A1 Transcription Factor, BPI
/ FILE REFERENCE: 179.37405X00
/ CURRENT APPLICATION NUMBER: US/10/143,897
/ CURRENT FILING DATE: 2002-05-14
/ PRIOR APPLICATION NUMBER: US/09/636,735A
/ PRIOR FILING DATE: 2000-08-11
/ NUMBER OF SEQ ID NOS: 25
/ SOFTWARE: PatentIn version 3.10
/ SEQ ID NO: 6
/ LENGTH: 48
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: (1)..(48)
/ OTHER INFORMATION: synthesized oligonucleotide
US-10-143-897-6

Query Match 4.0%; Score 20.2; DB 6; Length 48;
Best Local Similarity 68.3%; Pred. No. 5.2e+04;
Matches 28; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

Qy 387 TCCTGTGTGATATTATTGACGGGATTCACAGATTGA 427
Db 2 TCTTTTATGATATTATTTCATATATATATATATGA 42

RESULT 14
US-10-880-425A-3
/ Sequence 3, Application US/10880425A
/ Publication No. US20050164223A1
/ GENERAL INFORMATION:
/ APPLICANT: Schalken, Jack A.
/ APPLICANT: Smit, Frank
/ APPLICANT: Hesseels, Daphne
/ APPLICANT: Verhaegh, Gerald
/ TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
and Kite Therefor

FILE REFERENCE: 1619.0190000/JAG/CMB
CURRENT APPLICATION NUMBER: US/10/880,425A
CURRENT FILING DATE: 2004-06-30
PRIOR APPLICATION NUMBER: CA 2,432,365
PRIOR FILING DATE: 2003-06-30
NUMBER OF SEQ ID NOS: 46
SOFTWARE: PatentIn version 3.2
SEQ ID NO: 3
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic Construct
US-10-880-425A-3

Query Match 4.0%; Score 20; DB 9; Length 20;
Best Local Similarity 100.0%; Pred. No. 3.7e+04;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 CAGGAGCACAAGAGGAGC 20
|||
Db 1 CAGGAGCACAAGAGGAGC 20

RESULT 15
US-10-880-425A-45/c
Sequence 45, Application US/10880425A
Publication No. US20050164223A1
GENERAL INFORMATION:
APPLICANT: Schalken, Jack A.
APPLICANT: Smit, Frank
APPLICANT: Heesels, Daphne
APPLICANT: Verhaegh, Gerald
TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
TITLE OF INVENTION: and Kits Therefor
FILE REFERENCE: 1619.0190000/JAG/CMB
CURRENT APPLICATION NUMBER: US/10/880,425A
CURRENT FILING DATE: 2004-06-30
PRIOR APPLICATION NUMBER: CA 2,432,365
PRIOR FILING DATE: 2003-06-30
NUMBER OF SEQ ID NOS: 46
SOFTWARE: PatentIn version 3.2
SEQ ID NO: 45
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic Construct
US-10-880-425A-45

Query Match 4.0%; Score 20; DB 9; Length 20;
Best Local Similarity 100.0%; Pred. No. 3.7e+04;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 487 GGCTTCACAGACATGCAAC 506
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Db 20 GGCTTCACAGACATGCAAC 1

Search completed: December 1, 2005, 18:06:42
Job time : 788 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using SW model

Run on: December 1, 2005, 15:59:44 / Search time 231 Seconds
(without alignments)
681.720 Million cell updates/sec

Title: US-09-675-650-1

Perfect score: 506
Sequence: 1 cagaagacacaaaggaagc.....ggcttcacagacatgcacac 506

Scoring table: IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 3289935 seqs, 15561003 residues

Total number of hits satisfying chosen parameters: 6446244

Minimum DB seq length: 10
Maximum DB seq length: 50

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications NA New:
1: /cgn2_6/prodata/2/pubpna/US09_NEW_PUB.seq.*
2: /cgn2_6/prodata/2/pubpna/US06_NEW_PUB.seq.*
3: /cgn2_6/prodata/2/pubpna/US07_NEW_PUB.seq.*
4: /cgn2_6/prodata/2/pubpna/US08_NEW_PUB.seq.*
5: /cgn2_6/prodata/2/pubpna/PCT_NEW_PUB.seq.*
6: /cgn2_6/prodata/2/pubpna/US10_NEW_PUB.seq.*
7: /cgn2_6/prodata/2/pubpna/US11_NEW_PUB.seq2.*
8: /cgn2_6/prodata/2/pubpna/US11_NEW_PUB.seq3.*
9: /cgn2_6/prodata/2/pubpna/US11_NEW_PUB.seq3.*
10: /cgn2_6/prodata/2/pubpna/US60_NEW_PUB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|----|---|
| 1 | 17.8 | 3.5 | 41 | 6 | US-10-500-831-174 Sequence 174, Appl |
| 2 | 17.6 | 3.5 | 24 | 6 | US-10-750-185-12504 Sequence 12504, A |
| 3 | 17.2 | 3.4 | 25 | 6 | US-10-750-185-12949 Sequence 19249, A |
| 4 | 16.8 | 3.3 | 39 | 6 | US-10-209-208-67 Sequence 67, Appl |
| 5 | 16.8 | 3.3 | 39 | 6 | US-10-209-208-68 Sequence 68, Appl |
| 6 | 16.6 | 3.3 | 31 | 6 | US-10-926-709-12 Sequence 12, Appl |
| 7 | 16.6 | 3.3 | 47 | 6 | US-10-655-872-33 Sequence 33, Appl |
| 8 | 16.6 | 3.3 | 48 | 7 | US-11-084-711-23 Sequence 23, Appl |
| 9 | 16.6 | 3.3 | 48 | 7 | US-11-084-711-24 Sequence 24, Appl |
| 10 | 16.4 | 3.2 | 19 | 8 | US-11-101-244-170643 Sequence 170643, A |
| 11 | 16.4 | 3.2 | 19 | 8 | US-11-101-244-911726 Sequence 911726, A |
| 12 | 16.4 | 3.2 | 19 | 8 | US-11-101-244-1175664 Sequence 1175664, A |
| 13 | 16.4 | 3.2 | 19 | 8 | US-11-101-244-1458710 Sequence 1458710, A |
| 14 | 16.4 | 3.2 | 19 | 8 | US-11-083-784-170643 Sequence 170643, A |
| 15 | 16.4 | 3.2 | 19 | 9 | US-11-083-784-911726 Sequence 911726, A |
| 16 | 16.4 | 3.2 | 19 | 9 | US-11-083-784-1175664 Sequence 1175664, A |
| 17 | 16.4 | 3.2 | 19 | 9 | US-11-083-784-1458710 Sequence 1458710, A |
| 18 | 16.4 | 3.2 | 28 | 6 | US-10-750-185-14376 Sequence 14376, A |
| 19 | 16 | 3.2 | 19 | 8 | US-11-101-244-575937 Sequence 575937, A |
| 20 | 16 | 3.2 | 19 | 8 | US-11-083-784-575937 Sequence 575937, A |
| 21 | 16 | 3.2 | 20 | 6 | US-10-415-198A-79 Sequence 79, Appl |
| 22 | 16 | 3.2 | 25 | 6 | US-10-750-185-7371 Sequence 7371, Ap |
| 23 | 16 | 3.2 | 45 | 6 | US-10-845-413-171 Sequence 171, Appl |

| | | | | | | |
|------|------|-----|----|---|-----------------------|-------------------|
| C 24 | 15.8 | 3.1 | 19 | 8 | US-11-101-244-112884 | Sequence 112884, |
| C 25 | 15.8 | 3.1 | 19 | 8 | US-11-101-244-170616 | Sequence 170616, |
| C 26 | 15.8 | 3.1 | 19 | 8 | US-11-101-244-181355 | Sequence 181355, |
| C 27 | 15.8 | 3.1 | 19 | 8 | US-11-101-244-307823 | Sequence 307823, |
| C 28 | 15.8 | 3.1 | 19 | 8 | US-11-101-244-307921 | Sequence 307921, |
| C 29 | 15.8 | 3.1 | 19 | 8 | US-11-101-244-342365 | Sequence 342365, |
| C 30 | 15.8 | 3.1 | 19 | 8 | US-11-101-244-391068 | Sequence 391068, |
| C 31 | 15.8 | 3.1 | 19 | 8 | US-11-101-244-449997 | Sequence 449997, |
| C 32 | 15.8 | 3.1 | 19 | 8 | US-11-101-244-450085 | Sequence 450085, |
| C 33 | 15.8 | 3.1 | 19 | 8 | US-11-101-244-450205 | Sequence 450205, |
| C 34 | 15.8 | 3.1 | 19 | 8 | US-11-101-244-450294 | Sequence 450294, |
| C 35 | 15.8 | 3.1 | 19 | 8 | US-11-101-244-450365 | Sequence 450365, |
| C 36 | 15.8 | 3.1 | 19 | 8 | US-11-101-244-521923 | Sequence 521923, |
| C 37 | 15.8 | 3.1 | 19 | 8 | US-11-101-244-841679 | Sequence 841679, |
| C 38 | 15.8 | 3.1 | 19 | 8 | US-11-101-244-913204 | Sequence 913204, |
| C 39 | 15.8 | 3.1 | 19 | 8 | US-11-101-244-1021099 | Sequence 1021099, |
| C 40 | 15.8 | 3.1 | 19 | 8 | US-11-101-244-1305091 | Sequence 1305091, |
| C 41 | 15.8 | 3.1 | 19 | 8 | US-11-101-244-1365501 | Sequence 1365501, |
| C 42 | 15.8 | 3.1 | 19 | 8 | US-11-101-244-1453039 | Sequence 1453039, |
| C 43 | 15.8 | 3.1 | 19 | 8 | US-11-101-244-1513182 | Sequence 1513182, |
| C 44 | 15.8 | 3.1 | 19 | 8 | US-11-101-244-1537176 | Sequence 1537176, |
| C 45 | 15.8 | 3.1 | 19 | 9 | US-11-083-784-112884 | Sequence 112884, |

ALIGNMENTS

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RESULT 1
US-10-500-831-174/C
; Sequence 174, Application US/10500831
; Publication No. US20050244813A1
; GENERAL INFORMATION:
; APPLICANT: Frank KARLSEN
; TITLE OF INVENTION: DETECTION OF HUMAN PAPILLOMAVIRUS E6 mRNA
; FILE REFERENCE: B0192, 70052US00
; CURRENT APPLICATION NUMBER: US/10/500,831
; PRIOR FILING DATE: 2004-07-07
; PRIOR APPLICATION NUMBER: GB 0200258.2
; PRIOR FILING DATE: 2002-01-07
; PRIOR APPLICATION NUMBER: GB 0214124.0
; PRIOR FILING DATE: 2002-06-19
; NUMBER OF SEQ ID NOS: 387
; SOFTWARE: Patent version 3.2
; SEQ ID NO 174
; LENGTH: 41
; TYPE: DNA
; ORGANISM: Human papillomavirus type 18
US-10-500-831-174

Query Match      3.5% Score 17.8; DB 6; Length 41;
Best Local Similarity 90.5%; Pred. No. 6.5e+03;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      139 TTTCTATTCTTGGCTCGTAT 159
      ||||| ||||| ||||| |||||
DB       34 TTTCTATGCTTGCCTCATAT 14

RESULT 2
US-10-750-185-12504
; Sequence 12504, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-2
; CURRENT APPLICATION NUMBER: US/10/750,185

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/ CURRENT FILING DATE: 2003-12-31
/ PRIOR APPLICATION NUMBER: US 60/437,482
/ PRIOR FILING DATE: 2002-12-31
/ NUMBER OF SEQ ID NOS: 64922
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 12504
/ LENGTH: 24
/ TYPE: DNA
/ ORGANISM: Artificial sequence
/ FEATURE:
/ OTHER INFORMATION: Reverse Primer
US-10-750-185-12504

Query Match
Best Local Similarity 83.3%; Score 17.6; DB 6; Length 24;
Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 62 AAATTTTGATGGCCTTAAGTTCC 85
Db 1 AAATTTTCAATTCCTCAAGTTCC 24

RESULT 3
US-10-750-185-19249
/ Sequence 19249, Application US/10750185
/ Publication No. US20050260603A1
/ GENERAL INFORMATION:
/ APPLICANT: MMI GENOMICS, INC.
/ APPLICANT: DENISE, Sue K.
/ APPLICANT: KERR, Richard
/ APPLICANT: ROSENFELD, David
/ APPLICANT: HOLM, Tom
/ APPLICANT: BATES, Stephen
/ APPLICANT: PANTIN, Dennis
/ TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
/ FILE REFERENCE: MM1100-2
/ CURRENT APPLICATION NUMBER: US/10/750,185
/ PRIOR FILING DATE: 2003-12-31
/ PRIOR APPLICATION NUMBER: US 60/437,482
/ PRIOR FILING DATE: 2002-12-31
/ NUMBER OF SEQ ID NOS: 64922
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 19249
/ LENGTH: 25
/ TYPE: DNA
/ ORGANISM: Artificial sequence
/ FEATURE:
/ OTHER INFORMATION: Forward Primer
US-10-750-185-19249

Query Match
Best Local Similarity 86.4%; Score 17.2; DB 6; Length 25;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 355 TGTGTTCTTAAGATGGCA 376
Db 1 TGTGTTCTTAAGATGGCA 22

RESULT 4
US-10-209-208-67/c
/ Sequence 67, Application US/10209208
/ Publication No. US20050244921A1
/ GENERAL INFORMATION:
/ APPLICANT: Tsien, Roger
/ APPLICANT: Campbell, Robert
/ APPLICANT: Geoffrey Baird
/ TITLE OF INVENTION: FLUORESCENT PROTEIN VARIANTS AND METHODS
/ FILE REFERENCE: UC083.1CP2CP2
/ CURRENT APPLICATION NUMBER: US/10/209,208
/ CURRENT FILING DATE: 2002-07-29
/ PRIOR APPLICATION NUMBER: 10/121,258
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/ PRIOR FILING DATE: 2002-04-10
/ PRIOR APPLICATION NUMBER: 09/866,538
/ PRIOR FILING DATE: 2001-05-24
/ PRIOR APPLICATION NUMBER: 09/794,308
/ PRIOR FILING DATE: 2001-02-26
/ NUMBER OF SEQ ID NOS: 80
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 67
/ LENGTH: 39
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Mutagenic Primer
US-10-209-208-67

Query Match
Best Local Similarity 55.3%; Score 16.8; DB 6; Length 39;
Matches 21; Conservative 5; Mismatches 12; Indels 0; Gaps 0;

QY 292 TCGATGAGCCTCGCCCTGTGCTGTCGCCGTTGTGAG 329
Db 38 TCCTCAGCTTCAGCTYSMKCYTGATCTGCCCTTCAG 1

RESULT 5
US-10-209-208-68
/ Sequence 68, Application US/10209208
/ Publication No. US20050244921A1
/ GENERAL INFORMATION:
/ APPLICANT: Tsien, Roger
/ APPLICANT: Campbell, Robert
/ APPLICANT: Geoffrey Baird
/ TITLE OF INVENTION: FLUORESCENT PROTEIN VARIANTS AND METHODS
/ FILE REFERENCE: UC083.1CP2CP2
/ CURRENT APPLICATION NUMBER: US/10/209,208
/ CURRENT FILING DATE: 2002-07-29
/ PRIOR FILING DATE: 10/121,258
/ PRIOR APPLICATION NUMBER: 09/866,538
/ PRIOR FILING DATE: 2001-05-24
/ PRIOR APPLICATION NUMBER: 09/794,308
/ PRIOR FILING DATE: 2001-02-26
/ NUMBER OF SEQ ID NOS: 80
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 68
/ LENGTH: 39
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Mutagenic Primer
US-10-209-208-68

Query Match
Best Local Similarity 55.3%; Score 16.8; DB 6; Length 39;
Matches 21; Conservative 5; Mismatches 12; Indels 0; Gaps 0;

QY 292 TCGATGAGCCTCGCCCTGTGCTGTCGCCGTTGTGAG 329
Db 2 TCCTCAGCTTCAGCTYSMKCYTGATCTGCCCTTCAG 39

RESULT 6
US-10-926-709-12
/ Sequence 12, Application US/10926709
/ Publication No. US20050250181A1
/ GENERAL INFORMATION:
/ APPLICANT: Schröder, Glad, Same O.
/ APPLICANT: Andersen, Carsten
/ APPLICANT: Schultein, Martin
/ APPLICANT: Frandsen, Torben P.
/ TITLE OF INVENTION: CELL-WALL DEGRADING ENZYME VARIANTS
/ FILE REFERENCE: 10044.200-US
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/ CURRENT APPLICATION NUMBER: US/10/926,709
/ OTHER INFORMATION: Description of Artificial Sequence: primer
/ US-11-084-711-23
Query Match      3.3%; Score 16.6; DB 6; Length 31;
Best Local Similarity 71.0%; Pred. No. 1.4e+04;
Matches 22; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

OY 54 CTCACGAAATTTTGATGCGCTTAAGTTC 84
Db 1 CTCACCGATATATAGATGTTTAAATTC 31

RESULT 7
US-10-655-872-33/C
/ Sequence 33, Application US/10655872
/ Publication No. US20050251872A1
/ GENERAL INFORMATION:
/ APPLICANT: Bear, et al.
/ TITLE OF INVENTION: Lentiviral Vectors, Related Reagents, and Methods of Use Thereof
/ FILE REFERENCE: 0492611-0512
/ CURRENT APPLICATION NUMBER: US/10/655,872
/ PRIOR FILING DATE: 2003-09-05
/ NUMBER OF SEQ ID NOS: 39
/ SOFTWARE: Patentin version 3.2
/ SEQ ID NO 33
/ LENGTH: 47
/ TYPE: DNA
/ ORGANISM: Artificial
/ FEATURE:
/ OTHER INFORMATION: Primer
US-10-655-872-33

Query Match      3.3%; Score 16.6; DB 6; Length 47;
Best Local Similarity 64.1%; Pred. No. 1.8e+04;
Matches 25; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

OY 241 CTCGACTTCACAGATCCCTGGAGAAATGCCGCGCCG 279
Db 47 CTATACGTTATTTAGGTCCCTCGACGAATTCGGGCGCCG 9

RESULT 8
US-11-084-711-23/C
/ Sequence 23, Application US/11084711
/ Publication No. US20050260223A1
/ GENERAL INFORMATION:
/ APPLICANT: Lowery, David
/ APPLICANT: Kennedy, Michael J
/ TITLE OF INVENTION: Salmonella Vaccine Materials and Methods
/ FILE REFERENCE: 28341/6114.N
/ CURRENT APPLICATION NUMBER: US/11/084,711
/ PRIOR FILING DATE: 2005-03-18
/ PRIOR APPLICATION NUMBER: US/09/809,524
/ PRIOR FILING DATE: 2001-09-17
/ PRIOR APPLICATION NUMBER: 60/190,178
/ PRIOR FILING DATE: 2000-03-17
/ NUMBER OF SEQ ID NOS: 30
/ SOFTWARE: Patentin Ver. 2.0
/ SEQ ID NO 23
/ LENGTH: 48
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
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/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: primer
/ US-11-084-711-23
Query Match      3.3%; Score 16.6; DB 7; Length 48;
Best Local Similarity 64.1%; Pred. No. 1.9e+04;
Matches 25; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

OY 42 AGCACTCAATTTCTACTCAGAAATTTTGATGCGCTTAA 80
Db 46 AGGACTCAATCACTATATCAACATCATATATAGCTATTA 8

RESULT 9
US-11-084-711-24
/ Sequence 24, Application US/11084711
/ Publication No. US20050260223A1
/ GENERAL INFORMATION:
/ APPLICANT: Lowery, David
/ APPLICANT: Kennedy, Michael J
/ TITLE OF INVENTION: Salmonella Vaccine Materials and Methods
/ FILE REFERENCE: 28341/6114.N
/ CURRENT APPLICATION NUMBER: US/11/084,711
/ PRIOR FILING DATE: 2005-03-18
/ PRIOR APPLICATION NUMBER: US/09/809,524
/ PRIOR FILING DATE: 2001-09-17
/ PRIOR APPLICATION NUMBER: 60/190,178
/ PRIOR FILING DATE: 2000-03-17
/ NUMBER OF SEQ ID NOS: 30
/ SOFTWARE: Patentin Ver. 2.0
/ SEQ ID NO 24
/ LENGTH: 48
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: primer
US-11-084-711-24

Query Match      3.3%; Score 16.6; DB 7; Length 48;
Best Local Similarity 64.1%; Pred. No. 1.9e+04;
Matches 25; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

OY 42 AGCACTCAATTTCTACTCAGAAATTTTGATGCGCTTAA 80
Db 3 AGGACTCAATCACTATATCAACATCATATATAGCTATTA 41

RESULT 10
US-11-101-244-170643/C
/ Sequence 170643, Application US/11101244
/ Publication No. US20050246794A1
/ GENERAL INFORMATION:
/ APPLICANT: Dharmoon, Inc.
/ APPLICANT: Khvorovaya, Anastasia
/ APPLICANT: Reynolds, Angela
/ APPLICANT: Leake, Devin
/ APPLICANT: Marshall, William
/ APPLICANT: Scaringe, Stephen
/ TITLE OF INVENTION: Functional and Hyperfunctional siRNA
/ FILE REFERENCE: 13499US
/ CURRENT APPLICATION NUMBER: US/11/101,244
/ PRIOR FILING DATE: 2005-04-07
/ PRIOR APPLICATION NUMBER: 60/502,050
/ PRIOR FILING DATE: 2003-09-10
/ PRIOR APPLICATION NUMBER: 60/426,137
/ PRIOR FILING DATE: 2002-11-14
/ NUMBER OF SEQ ID NOS: 1591911
/ SOFTWARE: Proprietary
/ SEQ ID NO 170643
/ LENGTH: 19
/ TYPE: RNA
/ ORGANISM: Homo sapiens
US-11-101-244-170643
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Query Match 3.2%; Score 16.4; DB 8; Length 19;
Best Local Similarity 94.4%; Pred. No. 1.2e+04;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 103 TTCTCTCCTCCTCTCCTC 120
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DB 19 TTCTCTCCTCCTCTCCTC 2

RESULT 11

US-11-101-244-911726
; Sequence 911726, Application US/11101244
; Publication No. US20050246794A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/101,244
; PRIOR FILING DATE: 2005-04-07
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 911726
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-101-244-911726

Query Match 3.2%; Score 16.4; DB 8; Length 19;
Best Local Similarity 88.9%; Pred. No. 1.2e+04;
Matches 16; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 463 GAAACAGACGAGAAAT 480
|||||
DB 1 GAAACAGACGAGAAAU 18

RESULT 12

US-11-101-244-1175664
; Sequence 1175664, Application US/11101244
; Publication No. US20050246794A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/101,244
; PRIOR FILING DATE: 2005-04-07
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 1175664
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-101-244-1175664

Query Match 3.2%; Score 16.4; DB 8; Length 19;
Best Local Similarity 94.4%; Pred. No. 1.2e+04;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 461 AGGAAACAGACGAGAAA 478
|||||
DB 2 AGGAAACAGACGAGAAA 19

RESULT 13

US-11-101-244-1458710
; Sequence 1458710, Application US/11101244
; Publication No. US20050246794A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/101,244
; PRIOR FILING DATE: 2005-04-07
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 1458710
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-101-244-1458710

Query Match 3.2%; Score 16.4; DB 8; Length 19;
Best Local Similarity 88.9%; Pred. No. 1.2e+04;
Matches 16; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 250 CACAGATCCCTGGAGAA 267
|||||
DB 2 CACAGATCCCTGGAGAA 19

RESULT 14

US-11-083-784-170643/C
; Sequence 170643, Application US/11083784
; Publication No. US20050245475A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/083,784
; PRIOR FILING DATE: 2005-03-18
; PRIOR APPLICATION NUMBER: US/10/714,333
; PRIOR FILING DATE: 2003-11-14
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 170643
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-083-784-170643

Query Match 3.2%; Score 16.4; DB 9; Length 19;
Best Local Similarity 94.4%; Pred. No. 1.2e+04;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 103 TTCTTCTCTCAGTCGTCCTC 120
|||||
Db 19 TTCTTCTCTCAGTCGTCCTC 2

RESULT 15

US-11-083-784-911726
; Sequence 911726, Application US/11083784
; Publication No. US20050245475A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/083,784
; CURRENT FILING DATE: 2005-03-18
; PRIOR APPLICATION NUMBER: US/10/714,333
; PRIOR FILING DATE: 2003-11-14
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 911726
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-083-784-911726

Query Match 3.2%; Score 16.4; DB 9; Length 19;
Best Local Similarity 88.9%; Pred. No. 1.2e+04;
Matches 16; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 463 GAAACAGACGAGAAAT 480
|||||
Db 1 GAAAUAGACGAGAAAU 18

Search completed: December 1, 2005, 18:10:44
Job time : 232 secs


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Sequence 55 Application US/11112908
Publication No. US20050260659A1
GENERAL INFORMATION:
APPLICANT: Harris, Cole
APPLICANT: Davis, Lisa M.
TITLE OF INVENTION: Breast Cancer Biomarkers
FILE REFERENCE: 04-164-US
CURRENT APPLICATION NUMBER: US/11/112,908
CURRENT FILING DATE: 2005-04-22
PRIOR APPLICATION NUMBER: US 60/564,758
PRIOR FILING DATE: 2004-04-23
PRIOR APPLICATION NUMBER: US 60/575,978
PRIOR FILING DATE: 2004-06-01
PRIOR APPLICATION NUMBER: US 60/631,702
PRIOR FILING DATE: 2004-11-30
PRIOR APPLICATION NUMBER: US 60/633,826
PRIOR FILING DATE: 2004-12-07
NUMBER OF SEQ ID NOS: 511
SOFTWARE: PatentIn version 3.3
SEQ ID NO 55
LENGTH: 193789
TYPE: DNA
ORGANISM: Homo sapiens
US-11-112-908-55

```

| | Query Match | 7.1%; | Score 36; | DB 7; | Length 193789; |
|----|-----------------------|--|-----------------|---------------|----------------|
| | Best Local Similarity | 50.0%; | Pred. No. 0.76; | Mismatches 0; | Gaps 0; |
| | Matches 90; | Conservative 0; | | | |
| QY | 91 | TCGTTTCTATCCCTTCCTACTCACTGCACCCGGAATCCACTACCGATTTTCTATTCTT | 150 | | |
| Db | 165878 | TCCTTCCTTCCTCTCTCTCTCCTTTCTTTCTTTCTTCTCTTTCTTTCTTTCTTT | 165819 | | |
| QY | 151 | GCTTCGATTTGTCGACTGAGCTCACTGGATTATCTCTCAAGAGTCTGATTTTCTACC | 210 | | |
| Db | 165818 | CTTTCCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTC | 165758 | | |
| QY | 211 | CGGGCTCACTCCGTCCTTCACATTTGTCCTCACTTTCACAGATCCCTGGGGAATG | 270 | | |
| Db | 165758 | CTCCCTCCCTCTTCCTTTCTCTTCCTTTGTTTCTCCATATCCAGGCTGAGTGCAGTG | 165699 | | |

```

RESULT 3
US-10-821-234-804
; Sequence 804, Application US/10821234
; Publication No. US200502551141
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Strache-Crain, Birgit
; APPLICANT: Andarmant, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: PL_SEQ_gene Version 1.0
; SEQ ID NO 804_
; LENGTH: 1739
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-821-234-804

```

| | Query Match | Similarity | Score | DB | Length |
|------------|-------------------|---|---------------|------|-------------------|
| Best Local | Similarity | 46.6% | Pred. No. 0.1 | 127 | Indels 0; Gaps 0; |
| Matches | 111; Conservative | 0; | Mismatches | 127; | Indels 0; Gaps 0; |
| Oy | 102 | CTTCTACTCACTGTCCTCCGGAAATCCACGATTTTCTATTCTTGGCTGATATG | 161 | | |
| Ob | 1252 | CTGCTGCGCCATATCCAGCCCTGACCCCTCTGCTGCTGCTGCTTCATCCATCCACCCCGATCC | 1311 | | |

| | | | |
|----|------|---|------|
| QY | 162 | TCATACAGGCATCTTGATGATTATTCACACGAGTCTGAGATTCTTCAACCCGGGCTCACT | 221 |
| Db | 1312 | TCCTCCTGCCCCCCCAAGACAGGCCCTGACCTCTGGGGGCTCTCCCTGCTGGCTCTGAC | 1373 |
| QY | 222 | CCGCGCCCTCATAATTGTCCTCCACTTTCACAGATCCCTGGAGAAATAGCCGGGCGCA | 281 |
| Db | 1372 | CCCTGTCTCCCGAGCTTCAACATCAAGACCTGACCTTCTGAGGTGTCACTGTCTGGAA | 1433 |
| QY | 282 | TCCTTGGGTCATCATAGAGCTTCCGCGCTGTGCTGTGCCCTTTGTAGAGGAAAGACAT | 339 |
| Db | 1432 | GTGGGTCTGTCTTCCACCTCTCACCTAGACCTAGACCTGTGACTTCATGAAAGTTGGGCTT | 1489 |

```

RESULT 4
US-10-750-185-27542/c
Sequence 27542, Application US/10750185
Publication No. US20050260603A1
GENERAL INFORMATION:
APPLICANT: MMI GENOMICS, INC.
APPLICANT: DENISE, Sue K.
APPLICANT: KERR, Richard
APPLICANT: ROSENFELD, David
APPLICANT: HOLM, Tom
APPLICANT: BATES, Stephen
APPLICANT: FANTIN, Dennis
TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
FILE REFERENCE: MM11100-2
CURRENT APPLICATION NUMBER: US/10/750.185
CURRENT FILING DATE: 2003-12-31
PRIOR APPLICATION NUMBER: US 60/437,482
PRIOR FILING DATE: 2002-12-31
NUMBER OF SEQ ID NOS: 64922
SOFTWARE: PatentIn version 3.1
SEQ ID NO 27542
LENGTH: 2087
TYPE: DNA
ORGANISM: Bovine 19866880647216
US-10-750-185-27542

```

[illegible]

```

1  RESULT 5
2  US-11-112-908-39
3  ; Sequence 39, Application US/11112908
4  ; Publication No. US20050260659a1
5  ; GENERAL INFORMATION:
6  ; APPLICANT: Davis, Cole
7  ; APPLICANT: Davis, Lisa M.
8  ; TITLE OF INVENTION: Breast Cancer Biomarkers
9  ; FILE REFERENCE: 04-164-US
10 ; CURRENT APPLICATION NUMBER: US/11/112,908
11 ; CURRENT FILING DATE: 2005-04-22
12 ; PRIOR APPLICATION NUMBER: US 60/564,758
13 ; PRIOR FILING DATE: 2004-04-23
14 ; PRIOR APPLICATION NUMBER: US 60/575,978
15 ; PRIOR FILING DATE: 2004-06-01
16 ; PRIOR APPLICATION NUMBER: US 60/631,702
17 ; PRIOR FILING DATE: 2004-11-30
18 ; PRIOR APPLICATION NUMBER: US 60/633,826
19 ; PRIOR FILING DATE: 2004-12-07
20 ; NUMBER OF SEQ ID NOS: 511
21 ; SOFTWARE: PatentIn version 3.3

```

```

; SEQ ID NO 39
; LENGTH: 179892
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-112-908-39

```

| | | | | |
|-----------------------|--------|---------------|-------|---------------------------------|
| Query Match | 6.3% | Score 32; | DB 7; | Length 179892; |
| Best Local Similarity | 49.4%; | Pred. No. 17; | | |
| Matches | 83; | Conservative | 0; | Mismatches 85; Indels 0; Gaps 0 |

| | | | |
|----|-------|---|-------|
| Oy | 65 | TTTTGATGGCTTAAGTCCCTACACGATTTCACTCCCTACACACAGTGCCTCCGG | 124 |
| Db | 88583 | TCCTCTTTTCCCTCTCTCTCCCTTTCTCTGCTTTCTCTCTCTCTCTTTCTTTATTCTTC | 88642 |
| Oy | 125 | AATCCACTACCGAATTTCTATTTCTTGCTCGTAATGTCGATGGCTCACTGGATTTA | 184 |
| Db | 88643 | TTTCTATTCTTCCCTCTCTCTTTTCTTCTCTCTTTCTTTCTTTCTCTTTCTTTCTTTT | 88702 |
| Oy | 185 | TCCTCAGGAGTCGATTTTCTACCCGGGCTCACTCCGTCCTCCA | 232 |
| Db | 88703 | CTCTCTTTCTTTCTTTTCTTTTCTTTTCCAGAGTCTCACTGTGTGCCA | 88750 |

```

US-10-750-185-51094/C
RESULT 6
Sequence 51094, Application US/10750185
Publication No. US20050260603A1
GENERAL INFORMATION:
APPLICANT: MMI GENOMICS, INC.
APPLICANT: DENISE, Sue K.
APPLICANT: KERR, Richard
APPLICANT: ROSENFELD, David
APPLICANT: HOLM, Tom
APPLICANT: BATES, Stephen
APPLICANT: FANTIN, Dennis
TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
FILE REFERENCE: MM1100-2
CURRENT APPLICATION NUMBER: US/10/750,185
CURRENT FILING DATE: 2003-12-31
PRIOR APPLICATION NUMBER: US 60/437,482
PRIOR FILING DATE: 2002-12-31
NUMBER OF SEQ ID NOS: 64922
SOFTWARE: PatentIn version 3.1
SEQ ID NO 51094
LENGTH: 1076
TYPE: DNA
ORGANISM: Bovine
US-10-750-185-51094 19866880558375

```

| | Query Match | Similarity | Score | 31.8 | DB | 6 | Length | 1076 |
|---------|-------------|--|-------|------------|----------|--------|--------|------|
| | Best Local | Similarity | 50.3% | Pred | No. 0.79 | | | |
| Matches | 78 | Conservative | 0 | Mismatches | 77 | Indels | 0 | Gaps |
| QY | 52 | TTTCTACTGAGAAATTTTGGATGAGCCCTTAAGTCTCTCTACTGCTTTCTATCTCTCTACTC | 111 | | | | | |
| DB | 713 | TTCAAAATTTGAAATTTTTCATTTGCCCTTAATCTCAAGTTCCAGACGCTCTTTGCCGCTTA | 654 | | | | | |
| QY | 112 | ACTGTCCTCCGGAAATCCACTACCAATTTTCTATTTCTTGCTCGATATGTCTGACTGGC | 171 | | | | | |
| DB | 653 | AATCTGTACTTAATCCCTCTCTAGTGAATTTTTCATTTTCAGTTATGTAAATTTTCAGTTC | 594 | | | | | |
| QY | 172 | TCACTTGGATTTATCTCTCAGGAGTGTGATTTTC | 206 | | | | | |
| DB | 593 | AGAAATTTCTTTTATCTTTTAGGTTTCTCTTTTTC | 559 | | | | | |

RESULT 7
US-10-750-185-52118/c
; Sequence 52118, Application US/10750185/c
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: NMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.

```

? APPLICANT: KERR, Richard
? APPLICANT: ROSENFELD, David
? APPLICANT: HOLM, Tom
? APPLICANT: BATES, Stephen
? APPLICANT: FANTIN, Dennis
? TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
? FILE REFERENCE: MM1100-2
? CURRENT APPLICATION NUMBER: US/10/750,185
? CURRENT FILING DATE: 2003-12-31
? PRIOR APPLICATION NUMBER: US 60/437,482
? PRIOR FILING DATE: 2002-12-31
? NUMBER OF SEQ ID NOS: 64922
? SOFTWARE: PatentIn version 3.1
? SEQ ID NO 52118
? LENGTH: 1536
? TYPE: DNA
? ORGANISM: Bovine
US-10-750-185-52118
19866880667124

Query Match      5.3%; Score 31.8; DB 6; Length 1536;
Best Local Similarity 51.0%; Pred. No. 0.99;
Matches 75; Conservative 0; Mismatches 72; Indels 0; Gaps 0.

```

QY 340 TAGAATAATGAATTGATGTGTTCCTTTAAAGGATGGCAGGAAAAACAATCTCTGTGGAT 359

Db 424 TAGAGAGAGGACCAATTATGCCAAGAGTGAACATGACACCAATTAACCCCTGTCT 365

QY 400 ATTTATTGAACGGGATTACAGATTGGAATAAGTCACCAAGTAGCATTGCCATGA 459

Db 364 GTCTGTTCTCAGATTCTACCTTTTATGTGCACATATAAAAAGAGAGTCCAAAGTA 305

QY 460 GAGGAAAAACAGACGAGAAAATTTTAT 486

Db 304 CAGCAGAGTAATAGAGCTATCTAAT 278

```

RESULT 8
US-10-750-185-25953
; Sequence 25953, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FATTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: PM11100-2
; CURRENT APPLICATION NUMBER: US/10/750.185
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 25953
; LENGTH: 1744
; TYPR: DNA
; ORGANISM: Bovine 19866880671549
US-10-750-185-25953

```

| | Query Match | 6.3% | Score 31.8 | DB 6 | Length 1744 |
|----|-----------------------|---|---------------|------|---------------|
| | Best Local Similarity | 51.0% | Pred. No. 1.1 | | |
| | Matches | 75 | Conservative | 0 | Mismatches 72 |
| | | | | | Indels 0 |
| | | | | | Gaps 0 |
| QY | 21 | ACAGAGGAATGGTTTATTAAGACGCAATTTCTACTCAGAAATTTTGATGCGCTTAA | 80 | | |
| | | | | | |
| DB | 1248 | ACACCATTGAGATCAAAATTAAGACACAAATTGATGCAAAAGTATTTCTACTCTCAA | 1307 | | |
| | | | | | |
| QY | 81 | GTTCCCTACACGTTTCTATCCTCTCACTAGTCTCTCCGGAATCACTAACGATTT | 140 | | |
| | | | | | |
| DB | 1308 | ATATCTGTGATCCCTTTTCTCTTTTCAAACTCCACCCCACTCCACTCTGGGC | 136 | | |
| | | | | | |


```

! PRIOR APPLICATION NUMBER: US 60/575,978
! PRIOR FILING DATE: 2004-06-01
! PRIOR APPLICATION NUMBER: US 60/631,702
! PRIOR FILING DATE: 2004-11-30
! PRIOR APPLICATION NUMBER: US 60/633,826
! PRIOR FILING DATE: 2004-12-07
! NUMBER OF SEQ ID NOS: 511
! SOFTWARE: PatentIn version 3.3
! SEQ ID NO 24
! LENGTH: 150314
! TYPE: DNA
! ORGANISM: Homo sapiens
US-11-112-908-24

```

| | | | | |
|-----------------------|-------|---------------|-------|----------------|
| Query Match | 6.2% | Score 31.6; | DB 7; | Length 150314; |
| Best Local Similarity | 53.7% | Pred. No. 21; | | |
| Matches | 87; | Conservative | 0; | Mismatches 74; |
| | | | | Indels 1; |
| | | | | Gaps 1; |

[illegible]

RESULT 13
US-11-112-908-28/c
Sequence 28, Application US/11112908

```

? Publication No. US20050260659A1
? GENERAL INFORMATION:
?
? APPLICANT: Hattis, Cole
? APPLICANT: Davis, Lisa M.
? TITLE OF INVENTION: Breast Cancer Biomarkers
? FILE REFERENCE: 04-164-US
? CURRENT APPLICATION NUMBER: US/11/112,908
? PRIOR FILING DATE: 2005-04-22
? PRIOR APPLICATION NUMBER: US 60/564,758
? PRIOR FILING DATE: 2004-04-23
? PRIOR APPLICATION NUMBER: US 60/575,978
? PRIOR FILING DATE: 2004-06-01
? PRIOR APPLICATION NUMBER: US 60/631,702
? PRIOR FILING DATE: 2004-11-30
? PRIOR APPLICATION NUMBER: US 60/633,826
? PRIOR FILING DATE: 2004-12-07
? NUMBER OF SEQ. ID NOS: 511
? SOFTWARE: Patentin version 3.3
? SEQ ID NO 28
? LENGTH: 166020
? TYPE: DNA
? ORGANISM: Homo sapiens
? US-11-112-908-28

```

| | | | | |
|-----------------------|-----------------|----------------|-----------|----------------|
| Query Match | 6.2% | Score 31.6; | DB 7; | Length 166020; |
| Best Local Similarity | 53.7% | Pred. No. 22; | | |
| Matches 87; | Conservative 0; | Mismatches 74; | Indels 1; | Gaps 1; |

[illegible]

RESULT 14
US-11-112-908-22/c
; Sequence 22, Application US/11112908
; Publication No. US20050260659A1

```

; GENERAL INFORMATION:
; APPLICANT: Harris, Cole
; TITLE OF INVENTION: Breast Cancer Biomarkers
; FILE REFERENCE: 04-164-US
; CURRENT APPLICATION NUMBER: US/11/112,908
; CURRENT FILING DATE: 2005-04-22
; PRIOR APPLICATION NUMBER: US 60/564,758
; PRIOR FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/575,978
; PRIOR FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/631,702
; PRIOR FILING DATE: 2004-11-30
; PRIOR APPLICATION NUMBER: US 60/633,826
; PRIOR FILING DATE: 2004-12-07
; NUMBER OF SEQ ID NOS: 511
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 22
;
; LENGTH: 172147
;
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-11-112-908-22

```

| | | | | |
|-----------------------|-----------------|----------------|-----------|----------------|
| Query Match | 6.2% | Score 31.4; | DB 7; | Length 172147; |
| Best Local Similarity | 51.0% | Pred. No. 26; | | |
| Matches 74; | Conservative 0; | Mismatches 71; | Indels 0; | Gaps 0; |

[illegible]

RESULT 15
US-11-112-908-23/c
; Sequence 23, Application US/11112908
; Publication No. US20050260659A1

```

? GENERAL INFORMATION
? APPLICANT: Harris, Cole
? APPLICANT: Davis, Lisa M.
? TITLE OF INVENTION: Breast Cancer Biomarkers
? FILE REFERENCE: 04-164-US
? CURRENT APPLICATION NUMBER: US/11/112,908
? CURRENT FILING DATE: 2005-04-22
? PRIOR APPLICATION NUMBER: US 60/564,758
? PRIOR FILING DATE: 2004-04-23
? PRIOR APPLICATION NUMBER: US 60/575,978
? PRIOR FILING DATE: 2004-06-01
? PRIOR APPLICATION NUMBER: US 60/631,702
? PRIOR FILING DATE: 2004-11-30
? PRIOR APPLICATION NUMBER: US 60/633,826
? PRIOR FILING DATE: 2004-12-07
? NUMBER OF SEQ ID NOS: 511
? SOFTWARE: PatentIn version 3.3
? SEQ ID NO 23
? LENGTH: 188682
? TYPE: DNA
? ORGANISM: Homo sapiens
? US-11-112-908-23

```

| | | | | |
|-----------------------|--------|---------------|--------|----------------|
| Query Match | 6.2% | Score 31.4; | DB 7; | Length 188682; |
| Beat Local Similarity | 51.0%; | Pred. No. 28; | | |
| Matches | 74; | Conservative | 0; | Mismatches 71; |
| | | | Indels | 0; |
| | | | Gaps | 0; |

65 TTTTGGATGGCCTTAAGTTCCTCTACTCGTTCTATCCTTCCCTACTCACTGTCTCCCGG 124

[illegible]

125 AATCCACTACCGATTTCATTTCTTGCCCTCGTATTGCTGACTGGCTCACTTGGATTTA 184

[illegible]

185 TCCTCAGGAGTCTGGATTCTCTAC 209

Db 105909 TTCTTTCCTTCTCTTTCCTTTC 105885

Search completed: December 1, 2005, 15:59:36
Job time : 232 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Comugen Ltd.

OW nucleic - nucleic search, using BW model

Run on: December 1, 2005, 13:41:11 / Search time 801 Seconds
(without alignments)

5223.652 Million cell updates/sec

Title: US-09-675-650-1

Perfect score: 506

Sequence: 1 cagaagacacaaaggaagc.....ggttcacacacatgcacac 506

Scoring table: IDENTITY NUC

Gapop 10.0, Gapext 1.0

Searched: 9793542 seqs, 4134689005 residues

Total number of hits satisfying chosen parameters: 19587084

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database: Published Applications NA Main:*

- 1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq.*
- 2: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq.*
- 3: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq.*
- 4: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq.*
- 5: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq.*
- 6: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq.*
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- 8: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq.*
- 9: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq.*
- 10: /cgn2_6/ptodata/1/pubpna/US11_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|----|--------------------|
| 1 | 243.4 | 48.1 | 812 | 3 | US-09-759-143-471 |
| 2 | 243.4 | 48.1 | 812 | 3 | US-09-780-669-471 |
| 3 | 243.4 | 48.1 | 812 | 3 | US-09-822-827-471 |
| 4 | 243.4 | 48.1 | 812 | 3 | US-09-895-793-471 |
| 5 | 243.4 | 48.1 | 812 | 3 | US-09-895-814-471 |
| 6 | 243.4 | 48.1 | 812 | 5 | US-10-012-896-471 |
| 7 | 243.4 | 48.1 | 812 | 5 | US-10-010-940-471 |
| 8 | 243.4 | 48.1 | 812 | 6 | US-10-144-678A-471 |
| 9 | 243.4 | 48.1 | 812 | 6 | US-10-294-025-471 |
| 10 | 243.4 | 48.1 | 812 | 6 | US-10-957-708-3 |
| 11 | 243.4 | 48.1 | 812 | 9 | US-10-880-425A-1 |
| 12 | 243.4 | 48.1 | 812 | 9 | US-09-759-143-469 |
| 13 | 243.4 | 48.1 | 812 | 3 | US-09-780-669-469 |
| 14 | 243.4 | 48.1 | 812 | 3 | US-09-822-827-469 |
| 15 | 243.4 | 48.1 | 812 | 3 | US-09-895-793-469 |
| 16 | 243.4 | 48.1 | 812 | 3 | US-09-895-814-469 |
| 17 | 243.4 | 48.1 | 812 | 5 | US-10-012-896-469 |
| 18 | 243.4 | 48.1 | 812 | 5 | US-10-010-940-469 |
| 19 | 243.4 | 48.1 | 812 | 6 | US-10-144-678A-469 |
| 20 | 243.4 | 48.1 | 812 | 6 | US-10-294-025-469 |
| 21 | 243.4 | 48.1 | 812 | 3 | US-09-759-143-470 |
| 22 | 243.4 | 48.1 | 812 | 3 | US-09-780-669-470 |
| 23 | 243.4 | 48.1 | 812 | 3 | US-09-822-827-470 |

| | | | | | | |
|----|-------|------|------|----|--------------------|-------------------|
| 24 | 243.4 | 48.1 | 2426 | 3 | US-09-895-793-470 | Sequence 470, App |
| 25 | 243.4 | 48.1 | 2426 | 3 | US-09-895-814-470 | Sequence 470, App |
| 26 | 243.4 | 48.1 | 2426 | 5 | US-10-012-896-470 | Sequence 470, App |
| 27 | 243.4 | 48.1 | 2426 | 5 | US-10-010-940-470 | Sequence 470, App |
| 28 | 243.4 | 48.1 | 2426 | 5 | US-10-205-823-448 | Sequence 448, App |
| 29 | 243.4 | 48.1 | 2426 | 6 | US-10-144-678A-470 | Sequence 470, App |
| 30 | 243.4 | 48.1 | 2426 | 6 | US-10-294-025-470 | Sequence 470, App |
| 31 | 243.4 | 48.1 | 2426 | 10 | US-11-051-454-448 | Sequence 448, App |
| 32 | 243.4 | 48.1 | 3112 | 3 | US-09-759-143-468 | Sequence 468, App |
| 33 | 243.4 | 48.1 | 3112 | 3 | US-09-780-669-468 | Sequence 468, App |
| 34 | 243.4 | 48.1 | 3112 | 3 | US-09-822-827-468 | Sequence 468, App |
| 35 | 243.4 | 48.1 | 3112 | 3 | US-09-895-793-468 | Sequence 468, App |
| 36 | 243.4 | 48.1 | 3112 | 3 | US-09-895-814-468 | Sequence 468, App |
| 37 | 243.4 | 48.1 | 3112 | 5 | US-10-012-896-468 | Sequence 468, App |
| 38 | 243.4 | 48.1 | 3112 | 5 | US-10-010-940-468 | Sequence 468, App |
| 39 | 243.4 | 48.1 | 3112 | 6 | US-10-144-678A-468 | Sequence 468, App |
| 40 | 243.4 | 48.1 | 3112 | 6 | US-10-294-025-468 | Sequence 468, App |
| 41 | 243.4 | 48.1 | 3582 | 9 | US-10-880-425A-2 | Sequence 2, App1 |
| 42 | 243.4 | 48.1 | 3923 | 3 | US-09-759-143-690 | Sequence 690, App |
| 43 | 243.4 | 48.1 | 3923 | 3 | US-09-780-669-690 | Sequence 690, App |
| 44 | 243.4 | 48.1 | 3923 | 3 | US-09-822-827-690 | Sequence 690, App |
| 45 | 243.4 | 48.1 | 3923 | 3 | US-09-895-793-690 | Sequence 690, App |

ALIGNMENTS

| | |
|--|--|
| US-09-759-143-471/c | US-09-759-143-471/c |
| Sequence 471, App1 | Sequence 471, App1 |
| Patent No. US2002022248A1 | Patent No. US2002022248A1 |
| GENERAL INFORMATION: | GENERAL INFORMATION: |
| APPLICANT: Xu, Jianshun | APPLICANT: Xu, Jianshun |
| APPLICANT: Dillon, David C. | APPLICANT: Dillon, David C. |
| APPLICANT: Mitcham, Jennifer L. | APPLICANT: Mitcham, Jennifer L. |
| APPLICANT: Harlocker, Susan L. | APPLICANT: Harlocker, Susan L. |
| APPLICANT: Jiang, Yundi | APPLICANT: Jiang, Yundi |
| APPLICANT: Henderson, Robert A. | APPLICANT: Henderson, Robert A. |
| APPLICANT: Kalos, Michael D. | APPLICANT: Kalos, Michael D. |
| APPLICANT: Fanger, Gary R. | APPLICANT: Fanger, Gary R. |
| APPLICANT: Retter, Marc W. | APPLICANT: Retter, Marc W. |
| APPLICANT: Stolk, John A. | APPLICANT: Stolk, John A. |
| APPLICANT: Day, Craig H. | APPLICANT: Day, Craig H. |
| APPLICANT: Vedvick, Thomas S. | APPLICANT: Vedvick, Thomas S. |
| APPLICANT: Carter, Patrick | APPLICANT: Carter, Patrick |
| APPLICANT: Li, Samuel | APPLICANT: Li, Samuel |
| APPLICANT: Wang, Aijun | APPLICANT: Wang, Aijun |
| APPLICANT: Skeiky, Yaelir A.W. | APPLICANT: Skeiky, Yaelir A.W. |
| APPLICANT: Hepler, William | APPLICANT: Hepler, William |
| TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND | TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND |
| FILE REFERENCE: 210121.427C23 | FILE REFERENCE: 210121.427C23 |
| CURRENT APPLICATION NUMBER: US/09/759,143 | CURRENT APPLICATION NUMBER: US/09/759,143 |
| CURRENT FILING DATE: 2001-01-12 | CURRENT FILING DATE: 2001-01-12 |
| NUMBER OF SEQ ID NOS: 934 | NUMBER OF SEQ ID NOS: 934 |
| SOFTWARE: FastSeq for Windows Version 3.0 | SOFTWARE: FastSeq for Windows Version 3.0 |
| SEQ ID NO 471 | SEQ ID NO 471 |
| LENGTH: 812 | LENGTH: 812 |
| TYPE: DNA | TYPE: DNA |
| ORGANISM: Homo sapiens | ORGANISM: Homo sapiens |
| US-09-759-143-471 | US-09-759-143-471 |
| Query Match | Query Match |
| Best Local Similarity 99.2% | Best Local Similarity 99.2% |
| Mismatches 255; Conservative | Mismatches 255; Conservative |
| 0; Mismatches 1; Indels 1; Gaps 1; | 0; Mismatches 1; Indels 1; Gaps 1; |
| 250 CACAAATCCCTGGGGAATGCGCGCATCTTGGTATCGATAGCGCCGCGG 309 | 250 CACAAATCCCTGGGGAATGCGCGCATCTTGGTATCGATAGCGCCGCGG 309 |
| 541 CAGAAATCCCTGGGGAATGCGCGCATCTTGGTATCGATAGCGCCGCGG 482 | 541 CAGAAATCCCTGGGGAATGCGCGCATCTTGGTATCGATAGCGCCGCGG 482 |
| 310 TGCCTGTCCTGGGGAATGCGCGCATCTTGGTATCGATAGCGCCGCGG 369 | 310 TGCCTGTCCTGGGGAATGCGCGCATCTTGGTATCGATAGCGCCGCGG 369 |
| 461 TCCCTGTCCTGGGGAATGCGCGCATCTTGGTATCGATAGCGCCGCGG 422 | 461 TCCCTGTCCTGGGGAATGCGCGCATCTTGGTATCGATAGCGCCGCGG 422 |

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OY 370 ATGGCAGAGAAAAGATCCTGTTGTGATATTATTTGAACGGGATTACAGATTGAAA 429
DB 421 ATGGCAGAGAAAAGATCCTGTTGTGATATTATTTGAACGGGATTACAGATTGAAA 362
OY 430 TGAAGTCACCAAGGTAGCATTTACCAATGAGAGAAAACAGACGAGAAAATCTTGATGGC 489
DB 361 TGAAGTCA-CAAGGTAGCATTTACCAATGAGAGAAAACAGACGAGAAAATCTTGATGGC 303
OY 490 TTCACAAGACATGCAAC 506
DB 302 TTCACAAGACATGCAAC 286
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RESULT 2

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US-09-780-669-471/C
/ Sequence 471, Application US/09780669
/ Patent No. US2002005197A1
/ GENERAL INFORMATION:
/ APPLICANT: Xu, Jiangchun
/ APPLICANT: Dillon, David C.
/ APPLICANT: Mitcham, Jennifer L.
/ APPLICANT: Harlocker, Susan L.
/ APPLICANT: Jiang, Yugu
/ APPLICANT: Henderson, Robert A.
/ APPLICANT: Kalos, Michael D.
/ APPLICANT: Fanger, Gary R.
/ APPLICANT: Retter, Marc W.
/ APPLICANT: Stolk, John A.
/ APPLICANT: Day, Craig H.
/ APPLICANT: Vedvick, Thomas S.
/ APPLICANT: Carter, Darwick
/ APPLICANT: Li, Samuel
/ APPLICANT: Wang, Aijun
/ APPLICANT: Skeiky, Yasir A.W.
/ APPLICANT: Hepier, William
/ APPLICANT: Hurel, John
/ APPLICANT: McNeill, Patricia D.
/ APPLICANT: Houghton, Raymond L.
/ TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
/ FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
/ FILE REFERENCE: 210121.427C24
/ CURRENT APPLICATION NUMBER: US/09/780,669
/ CURRENT FILING DATE: 2001-02-09
/ NUMBER OF SEQ ID NOS: 943
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 471
/ LENGTH: 812
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-780-669-471
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Query Match 48.1%; Score 243.4; DB 3; Length 812;
Best Local Similarity 99.2%; Pred. No. 6.9e-68;
Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

OY 250 CACAGATCCCTGGAGAAATGCGCGCGCCATCTTGGTCATCATGAGCCTCGCCCTG 309
DB 541 CAGAGATCCCTGGAGAAATGCGCGCGCCATCTTGGTCATCATGAGCCTCGCCCTG 482
OY 310 TGCCTGTCCTCCGCTTGTGAGGAGGACATTAGAAAATGAAATGATGTGTTCTTAAAG 369
DB 481 TGCCTGTCCTCCGCTTGTGAGGAGGACATTAGAAAATGAAATGATGTGTTCTTAAAG 422
OY 370 ATGGCAGAGAAAAGATCCTGTTGTGATATTATTTGAACGGGATTACAGATTGAAA 429
DB 421 ATGGCAGAGAAAAGATCCTGTTGTGATATTATTTGAACGGGATTACAGATTGAAA 362
OY 430 TGAAGTCACCAAGGTAGCATTTACCAATGAGAGAAAACAGACGAGAAAATCTTGATGGC 489
DB 361 TGAAGTCA-CAAGGTAGCATTTACCAATGAGAGAAAACAGACGAGAAAATCTTGATGGC 303
OY 490 TTCACAAGACATGCAAC 506
DB 302 TTCACAAGACATGCAAC 286
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DB 302 TTCACAAGACATGCAAC 286
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RESULT 3

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US-09-822-827-471/C
/ Sequence 471, Application US/09822827
/ Patent No. US20020081680A1
/ GENERAL INFORMATION:
/ APPLICANT: Xu, Jiangchun
/ APPLICANT: Dillon, David C.
/ APPLICANT: Harlocker, Susan L.
/ APPLICANT: Jiang, Yugu
/ APPLICANT: Henderson, Robert A.
/ APPLICANT: Kalos, Michael D.
/ APPLICANT: Fanger, Gary R.
/ APPLICANT: Retter, Marc W.
/ APPLICANT: Stolk, John A.
/ APPLICANT: Day, Craig H.
/ APPLICANT: Vedvick, Thomas S.
/ APPLICANT: Carter, Darwick
/ APPLICANT: Li, Samuel
/ APPLICANT: Wang, Aijun
/ APPLICANT: Skeiky, Yasir A.W.
/ APPLICANT: Hepier, William
/ APPLICANT: Hurel, John
/ APPLICANT: McNeill, Patricia D.
/ APPLICANT: Houghton, Raymond L.
/ TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
/ FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
/ FILE REFERENCE: 210121.534C1
/ CURRENT APPLICATION NUMBER: US/09/822,827
/ CURRENT FILING DATE: 2001-03-28
/ NUMBER OF SEQ ID NOS: 982
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 471
/ LENGTH: 812
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-822-827-471
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```
Query Match 48.1%; Score 243.4; DB 3; Length 812;
Best Local Similarity 99.2%; Pred. No. 6.9e-68;
Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;
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OY 250 CACAGATCCCTGGAGAAATGCGCGCGCCATCTTGGTCATCATGAGCCTCGCCCTG 309
DB 541 CAGAGATCCCTGGAGAAATGCGCGCGCCATCTTGGTCATCATGAGCCTCGCCCTG 482
OY 310 TGCCTGTCCTCCGCTTGTGAGGAGGACATTAGAAAATGAAATGATGTGTTCTTAAAG 369
DB 481 TGCCTGTCCTCCGCTTGTGAGGAGGACATTAGAAAATGAAATGATGTGTTCTTAAAG 422
OY 370 ATGGCAGAGAAAAGATCCTGTTGTGATATTATTTGAACGGGATTACAGATTGAAA 429
DB 421 ATGGCAGAGAAAAGATCCTGTTGTGATATTATTTGAACGGGATTACAGATTGAAA 362
OY 430 TGAAGTCACCAAGGTAGCATTTACCAATGAGAGAAAACAGACGAGAAAATCTTGATGGC 489
DB 361 TGAAGTCA-CAAGGTAGCATTTACCAATGAGAGAAAACAGACGAGAAAATCTTGATGGC 303
OY 490 TTCACAAGACATGCAAC 506
DB 302 TTCACAAGACATGCAAC 286

RESULT 4
US-09-895-793-471/C
/ Sequence 471, Application US/09895793
/ Patent No. US20020192763A1
/ GENERAL INFORMATION:
/ APPLICANT: Xu, Jiangchun
/ APPLICANT: Dillon, David C.
/ APPLICANT: Mitcham, Jennifer L.
/ APPLICANT: Harlocker, Susan L.
/ APPLICANT: Jiang, Yugu
/ APPLICANT: Kalos, Michael D.
/ APPLICANT: Retter, Marc W.
/ APPLICANT: Stolk, John A.
/ APPLICANT: Day, Craig H.
/ APPLICANT: Vedvick, Thomas S.
/ APPLICANT: Carter, Darwick
/ APPLICANT: Li, Samuel
/ APPLICANT: Wang, Aijun
/ APPLICANT: Skeiky, Yasir A.W.
/ APPLICANT: Hepier, William
/ APPLICANT: Hurel, John
/ APPLICANT: McNeill, Patricia D.
/ APPLICANT: Houghton, Raymond L.
/ TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
/ FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
/ FILE REFERENCE: 210121.534C1
/ CURRENT APPLICATION NUMBER: US/09/822,827
/ CURRENT FILING DATE: 2001-03-28
/ NUMBER OF SEQ ID NOS: 982
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 471
/ LENGTH: 812
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-895-793-471/C
```

APPLICANT: Foy, Teresa
APPLICANT: Fanger, Gary R.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.514C2
CURRENT APPLICATION NUMBER: US/09/895,793
CURRENT FILING DATE: 2001-06-29
NUMBER OF SEQ ID NOS: 982
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 471
LENGTH: 812
TYPE: DNA
ORGANISM: Homo sapiens
US-09-895-793-471

Query Match 48.1% Score 243.4; DB 3; Length 812;
Best Local Similarity 99.2%; Pred. No. 6.9e-68;
Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 250 CACAGATCCCTGGAGAAATGCCCGCCCATCTTGGTCAATGAGCCTCGCCCTG 309
DB 541 CAGAGATCCCTGGAGAAATGCCCGCCCATCTTGGTCAATGAGCCTCGCCCTG 482
QY 310 TGCCTGTCCTGGTGTAGGAGACATTGAAATGAATGATGTTCTTAAAG 369
DB 481 TGCCTGTCCTGGTGTAGGAGACATTGAAATGAATGATGTTCTTAAAG 422
QY 370 ATGGCAGAGAAACAGATCCTGTGTGATATTTATTTGAACGGGATTACAGATTGAAA 429
DB 421 ATGGCAGAGAAACAGATCCTGTGTGATATTTATTTGAACGGGATTACAGATTGAAA 362
QY 430 TGAAGTCACTCAAGTGACATTACCAATGAGAGAAAACAGACGAGAAATCTTGATGAC 489
DB 361 TGAAGTCACTCAAGTGACATTACCAATGAGAGAAAACAGACGAGAAATCTTGATGAC 303
QY 490 TTCACAGACATGCAC 506
DB 302 TTCACAGACATGCAC 286

RESULT 5

US-09-895-814-471/c
Sequence 471, Application US/09895814
Publication No. US20020193296A1
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yugu
APPLICANT: Kalos, Michael D.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedrick, Thomas S.
APPLICANT: Carter, Derrick
APPLICANT: Li, Samuel X.
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William T.
APPLICANT: Henderson, Robert A.
APPLICANT: Hural, John
APPLICANT: McNeill, Patricia D.
APPLICANT: Houghton, Raymond L.
APPLICANT: Vinals de Baesols, Carlota
APPLICANT: Foy, Teresa
APPLICANT: Fanger, Gary R.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C26
CURRENT APPLICATION NUMBER: US/09/895,814
CURRENT FILING DATE: 2001-06-29
NUMBER OF SEQ ID NOS: 990

SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 471
LENGTH: 812
TYPE: DNA
ORGANISM: Homo sapiens
US-09-895-814-471

Query Match 48.1% Score 243.4; DB 3; Length 812;
Best Local Similarity 99.2%; Pred. No. 6.9e-68;
Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 250 CACAGATCCCTGGAGAAATGCCCGCCCATCTTGGTCAATGAGCCTCGCCCTG 309
DB 541 CAGAGATCCCTGGAGAAATGCCCGCCCATCTTGGTCAATGAGCCTCGCCCTG 482
QY 310 TGCCTGTCCTGGTGTAGGAGACATTGAAATGAATGATGTTCTTAAAG 369
DB 481 TGCCTGTCCTGGTGTAGGAGACATTGAAATGAATGATGTTCTTAAAG 422
QY 370 ATGGCAGAGAAACAGATCCTGTGTGATATTTATTTGAACGGGATTACAGATTGAAA 429
DB 421 ATGGCAGAGAAACAGATCCTGTGTGATATTTATTTGAACGGGATTACAGATTGAAA 362
QY 430 TGAAGTCACTCAAGTGACATTACCAATGAGAGAAAACAGACGAGAAATCTTGATGAC 489
DB 361 TGAAGTCACTCAAGTGACATTACCAATGAGAGAAAACAGACGAGAAATCTTGATGAC 303
QY 490 TTCACAGACATGCAC 506
DB 302 TTCACAGACATGCAC 286

RESULT 6

US-10-012-896-471/c
Sequence 471, Application US/10012896
Publication No. US20020183251A1
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yugu
APPLICANT: Kalos, Michael D.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedrick, Thomas S.
APPLICANT: Carter, Derrick
APPLICANT: Li, Samuel X.
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William T.
APPLICANT: Henderson, Robert A.
APPLICANT: Hural, John
APPLICANT: McNeill, Patricia D.
APPLICANT: Houghton, Raymond L.
APPLICANT: Vinals de Baesols, Carlota
APPLICANT: Foy, Teresa
APPLICANT: Fanger, Gary R.
APPLICANT: Wantanabe, Yoshihiro
APPLICANT: Mesgher, Madeleine Joy
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C27
CURRENT APPLICATION NUMBER: US/10/012,896
CURRENT FILING DATE: 2001-12-10
NUMBER OF SEQ ID NOS: 1011
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 471
LENGTH: 812
TYPE: DNA
ORGANISM: Homo sapiens
US-10-012-896-471

Query Match 48.1%; Score 243.4; DB 5; Length 812;
Best Local Similarity 99.2%; Pred. No. 6.9e-68;
Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 250 CACAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTGATGATGAGCTCGCCCTG 309
DB 541 CAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTGATGATGAGCTCGCCCTG 482
QY 310 TGCCTGTCCTCCCTTGTGAGGAGAGACATTAGAAAATGAATGATGCTTCTTAAAG 369
DB 481 TGCCTGTCCTCCCTTGTGAGGAGAGACATTAGAAAATGAATGATGCTTCTTAAAG 422
QY 370 ATGGCAGAGAAAACAGATCCTGTTGTGATATTATTATTTGAACGGGATTACAGATTGAAA 429
DB 421 ATGGCAGAGAAAACAGATCCTGTTGTGATATTATTATTTGAACGGGATTACAGATTGAAA 362
QY 430 TGAAGTCACCAAGTGAGCATTACCAATGAGAGAAAACAGACGAGAAAATCTTGATGCG 489
DB 361 TGAAGTCACCAAGTGAGCATTACCAATGAGAGAAAACAGACGAGAAAATCTTGATGCG 303
QY 490 TTCACAGACATGCAAC 506
DB 302 TTCACAGACATGCAAC 286

RESULT 7

US-10-010-940-471/C

; Sequence 471, Application US/10010940
; Publication No. US2003008062A1

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, David C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan Louise

; APPLICANT: Jiang Yugu

; APPLICANT: Reed, Steven G.

; APPLICANT: Kalos, Michael

; APPLICANT: Fanger, Gary

; APPLICANT: Retter, Mark

; APPLICANT: Solk, John

; APPLICANT: Day, Craig

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND

; FILE REFERENCE: 210121.427D3

; CURRENT APPLICATION NUMBER: US/10/010,940

; CURRENT FILING DATE: 2001-12-05

; NUMBER OF SEQ ID NOS: 575

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 471

; LENGTH: 812

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-010-940-471

Query Match 48.1%; Score 243.4; DB 5; Length 812;

Best Local Similarity 99.2%; Pred. No. 6.9e-68;

Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 250 CACAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTGATGATGAGCTCGCCCTG 309
DB 541 CAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTGATGATGAGCTCGCCCTG 482
QY 310 TGCCTGTCCTCCCTTGTGAGGAGAGACATTAGAAAATGAATGATGCTTCTTAAAG 369
DB 481 TGCCTGTCCTCCCTTGTGAGGAGAGACATTAGAAAATGAATGATGCTTCTTAAAG 422
QY 370 ATGGCAGAGAAAACAGATCCTGTTGTGATATTATTATTTGAACGGGATTACAGATTGAAA 429
DB 421 ATGGCAGAGAAAACAGATCCTGTTGTGATATTATTATTTGAACGGGATTACAGATTGAAA 362
QY 430 TGAAGTCACCAAGTGAGCATTACCAATGAGAGAAAACAGACGAGAAAATCTTGATGCG 489
DB 302 TTCACAGACATGCAAC 286

DB 361 TGAAGTCACCAAGTGAGCATTACCAATGAGAGAAAACAGACGAGAAAATCTTGATGCG 303
QY 490 TTCACAGACATGCAAC 506
DB 302 TTCACAGACATGCAAC 286

RESULT 8

US-10-144-678A-471/C

; Sequence 471, Application US/10144678A
; Publication No. US20030157089A1

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, David C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yugu

; APPLICANT: Henderson, Robert A.

; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.

; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.

; APPLICANT: Day, Craig H.

; APPLICANT: Vedrick, Thomas S.

; APPLICANT: Carter, Darlick

; APPLICANT: Li, Samuel X.

; APPLICANT: Wang, Aljun

; APPLICANT: Skeiky, Yasir A. W.

; APPLICANT: Hepler, William T.

; APPLICANT: Hurell, John

; APPLICANT: McNeill, Patricia D.

; APPLICANT: Houghton, Raymond L.

; APPLICANT: Vinals y de Bassols, Carlota

; APPLICANT: Foy, Teresa M.

; APPLICANT: Matanabe, Yoshihiro

; APPLICANT: Deng, Ta

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; FILE REFERENCE: 210121.427C28

; CURRENT APPLICATION NUMBER: US/10/144,678A

; CURRENT FILING DATE: 2002-08-12

; NUMBER OF SEQ ID NOS: 1033

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 471

; LENGTH: 812

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-144-678A-471

Query Match 48.1%; Score 243.4; DB 6; Length 812;

Best Local Similarity 99.2%; Pred. No. 6.9e-68;

Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 250 CACAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTGATGATGAGCTCGCCCTG 309
DB 541 CAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTGATGATGAGCTCGCCCTG 482
QY 310 TGCCTGTCCTCCCTTGTGAGGAGAGACATTAGAAAATGAATGATGCTTCTTAAAG 369
DB 481 TGCCTGTCCTCCCTTGTGAGGAGAGACATTAGAAAATGAATGATGCTTCTTAAAG 422
QY 370 ATGGCAGAGAAAACAGATCCTGTTGTGATATTATTATTTGAACGGGATTACAGATTGAAA 429
DB 421 ATGGCAGAGAAAACAGATCCTGTTGTGATATTATTATTTGAACGGGATTACAGATTGAAA 362
QY 430 TGAAGTCACCAAGTGAGCATTACCAATGAGAGAAAACAGACGAGAAAATCTTGATGCG 489
DB 361 TGAAGTCACCAAGTGAGCATTACCAATGAGAGAAAACAGACGAGAAAATCTTGATGCG 303
QY 490 TTCACAGACATGCAAC 506
DB 302 TTCACAGACATGCAAC 286

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RESULT 9
US-10-294-025-471/c
: Sequence 471, Application US/10294025
: Publication No. US20030185530A1
: GENERAL INFORMATION:
: APPLICANT: Xu, Jiangchun
: APPLICANT: Stolk, John A.
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
: FILE REFERENCE: 210121.427C29
: CURRENT APPLICATION NUMBER: US/10/294,025
: CURRENT FILING DATE: 2002-11-12
: NUMBER OF SEQ ID NOS: 1038
: SOFTWARE: FASTSEQ for Windows Version 3.0
: SEQ ID NO 471
: LENGTH: 812
: TYPE: DNA
: ORGANISM: Homo sapiens
: US-10-294-025-471

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| | | | | |
|---------------------------|--------|--------------------|-----------|-------------|
| Query Match | 48.1% | Score 243.4; | DB 6; | Length 812; |
| Best Local Similarity | 99.2%; | Pred. No. 6.9e-68; | | |
| Matches 255; Conservative | 0; | Mismatches 1; | Indels 1; | Gaps 1; |

| | | | |
|----|-----|---|------|
| QY | 250 | CACACATCCCTGGGAGAAATGGCCGGGCGGCATCTTGGGTCATCGATGAGACCTCGCCCTG | 3109 |
| Db | 541 | CAGAGATCCCTGGAGAAATGCCCGGCGGCATCTTGGGTCATCGATGAGACCTCGCCCTG | 4823 |
| QY | 310 | TGCTCGTCCCGCTTGTGAGGAGGACATTAGAAAATGAATTGATGTGTTCTTAAAGG | 3595 |
| Db | 481 | TGCTCGTCCCGCTTGTGAGGAGGACATTAGAAAATGAATTGATGTGTTCTTAAAGG | 4221 |
| QY | 370 | ATGGGACGAAAAACAGATCCTGTGTGGATTTATTTTGAACGGGATTAACAGATTGAAA | 4295 |
| Db | 421 | ATGGGACGAAAAACAGATCCTGTGTGGATTTATTTTGAACGGGATTAACAGATTGAAA | 3525 |
| QY | 430 | TGAAGTCACCAAGTGAGCATTAACCAATGAGAGAAAAACGACGAGAAAACTTTGATGAC | 4899 |
| Db | 361 | TGAAGTCACCAAGTGAGCATTAACCAATGAGAGAAAAACGACGAGAAAACTTTGATGAC | 3030 |
| QY | 490 | TTTACACAGCATGCAAC | 506 |
| Db | 302 | TTTACACAGCATGCAAC | 286 |

```

RESULT 10
US-09-957-708-3
: Sequence 3, Application US/09957708
: Publication No. US20030031678A1
: GENERAL INFORMATION:
: APPLICANT: Sun, Yongming
: APPLICANT: Recipon, Herve
: APPLICANT: Cafterkey, Robert
: APPLICANT: Ali, Shulath
: TITLE OF INVENTION: Compositions and Methods Relating to Prostate Specific
: TITLE OF INVENTION: Genes
: FILE REFERENCE: DEX-0239
: CURRENT APPLICATION NUMBER: US/09/957,708
: CURRENT FILING DATE: 2001-09-19
: PRIOR APPLICATION NUMBER: 60/233,746
: PRIOR FILING DATE: 2000-09-19
: NUMBER OF SEQ ID NOS: 40
: SOFTWARE: PatentIn Ver. 2.1
: SEQ ID NO 3
: LENGTH: 876
: TYPE: DNA
: ORGANISM: Homo sapiens
US-09-957-708-3

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|-----------------------|--------|--------------------|-------|------------|
| Query Match | 48.1%; | Score 243.4; | DB 3; | Length 876 |
| Best Local Similarity | 99.2%; | Pred. No. 7.2e-68; | | |

| | Matches | 255; Conservative | 0; Mismatches | 1; Indels | 1; Gaps | 1 |
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| QY | 250 | CACGATCCCTGGGAGAAATGCCCCGCCCATCTTGGGTGATGATGATAGCCTGGCCCG | | | | 309 |
| Db | 306 | CAGAGATCCCTGGGAGAAATGCCCCGCCCATCTTGGGTGATGATAGCCTCGCCCTG | | | | 365 |
| QY | 310 | TGCGTGTGCCGCTTGTGAGGGAAGGACATTAGAAATGAAATGATGTGTTCTTAAAG | | | | 369 |
| Db | 366 | TGCGTGTGCCGCTTGTGAGGGAAGGACATTAGAAATGAAATGATGTGTTCTTAAAG | | | | 425 |
| QY | 370 | ATGGGCGAGAAAACGATCCTGTGTGATTTATTTATTTGAACGGGATTACAGATTTGAA | | | | 429 |
| Db | 426 | ATGGGCGAGAAAACGATCCTGTGTGATTTATTTATTTGAACGGGATTACAGATTTGAA | | | | 485 |
| QY | 430 | TGAAGTCACCAAAGTAGACATTTACCATGAGAGGAAAACAGACGAAAAATCTTGATGGC | | | | 489 |
| Db | 486 | TGAAGTCACCAAAGTAGACATTTACCAAAGAGGAAAACAGACGAAAAATCTTGATGGC | | | | 544 |
| QY | 490 | TTCACAAGATGCAAC | 506 | | | |
| Db | 545 | TTCACAAGATGCAAC | 561 | | | |

RESULT 11
US-10-880-425A-1

```

: Publication No. US20050164223A1
: GENERAL INFORMATION:
: APPLICANT: Schalken, Jack A.
: APPLICANT: Smilt, Frank
: APPLICANT: Hesseels, Daphne
: APPLICANT: Verhaegh, Gerald
: TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene
: TITLE OF INVENTION: and Kite Therefor
: FILE REFERENCE: 1619.0190000/JAG/CMB
: CURRENT APPLICATION NUMBER: US/10/880,425A
: CURRENT FILING DATE: 2004-06-30
: PRIOR APPLICATION NUMBER: CA 2,432,365
: PRIOR FILING DATE: 2003-06-30
: NUMBER OF SEQ ID NOS: 46
: SOFTWARE: PatentIn version 3.2
: SEQ ID NO 1
: LENGTH: 2037
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: (147)..(1472)
: OTHER INFORMATION: n = a, c, g or t
: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: (1517)..(1517)
: OTHER INFORMATION: n = a, c, g or t
: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: (1563)..(1563)
: OTHER INFORMATION: n = a, c, g or t
: US-10-880-425A-1

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|---------------------------|-------|--------------------|-----------|--------------|
| Query Match | 48.1% | Score 243.4; | DB 9; | Length 2037; |
| Best Local Similarity | 99.2% | Pred. No. 1.1e-67; | | |
| Matches 255; Conservative | 0; | Mismatches 1; | Indels 1; | Gaps 1 |

Qy 250 CACAGATCCCTGGGAGAAATGCCGCGCGCCCATCTTGGGTCAATCATGAGCCTCGCCCTG 309

Db 442 CAGAGATCCCTGGGAGAAATGCCGCGCGCCCATCTTGGGTATCGATAGACCTCGCCCTG 501

Qy 310 TGCCCTGTCGCCGCTTGAGGAGGAGACATTAGAAATGCAATTGATGTGTCTTCTTAAAG 369

Db 502 TGCCCTGTCGCCGCTTGAGGAGGAGACATTAGAAATGCAATTGATGTGTCTTCTTAAAG 561

Qy 370 ATGGGCAGGAAAACGATCTCTGTGTGATATTATTTGAACGGGATTTACAGATTTGAAA 429

Db 562 ATGGCGAGAAAAAGATCCTGTGTGATATTTATTGAAAGGATTACAGATTGAAA 621
 Oy 430 TGAAGTCACCAAGTAGACATTACCAATGAGAAAAACAGAGAAAAATCTTGATGGC 489
 Db 622 TGAAGTCA-CAAAGTAGACATTACCAATGAGAAAAACAGAGAAAAATCTTGATGGC 680
 Oy 490 TTCACAAGACATGCAAC 506
 Db 681 TTCACAAGACATGCAAC 697

RESULT 12
 US-09-759-143-469/c
 ; Sequence 469, Application US/09759143
 ; Patent No. US2002022248A1
 ; GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun
 APPLICANT: Dillon, David C.
 APPLICANT: Mitcham, Jennifer L.
 APPLICANT: Harlocker, Susan L.
 APPLICANT: Jiang, Yuqi
 APPLICANT: Henderson, Robert A.
 APPLICANT: Kalos, Michael D.
 APPLICANT: Fanger, Gary R.
 APPLICANT: Retter, Marc W.
 APPLICANT: Stolck, John A.
 APPLICANT: Day, Craig H.
 APPLICANT: Vedvick, Thomas S.
 APPLICANT: Carter, Darriick
 APPLICANT: Li, Samuel
 APPLICANT: Wang, Aijun
 APPLICANT: Skeiky, Yaelir A.W.
 APPLICANT: Hepler, William
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 FILE REFERENCE: 210121.427C23
 CURRENT APPLICATION NUMBER: US/09/759,143
 CURRENT FILING DATE: 2001-01-12
 NUMBER OF SEQ ID NOS: 934
 SOFTWARE: FastSeq for Windows Version 3.0
 SEQ ID NO 469
 LENGTH: 2229
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-09-759-143-469

Query Match 48.1%; Score 243.4; DB 3; Length 2229;
 Best Local Similarity 99.2%; Pred. No. 1.2e-67;
 Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

Oy 250 CACAGATCCCTGGAGAAATGCCCGCCCATCTTGGGTCAATGATGAGCCTCGCCCTG 309
 Db 1596 CAGAGATCCCTGGAGAAATGCCCGCCCATCTTGGGTCAATGATGAGCCTCGCCCTG 1537
 Oy 310 TGCCTGTCCCGCTGTGAGGAGACATTGAAAAATGATGATGTCTTCTTAAAG 369
 Db 1536 TGCCTGTCCCGCTGTGAGGAGACATTGAAAAATGATGATGTCTTCTTAAAG 1477
 Oy 370 ATGGCGAGAAAAAGATCCTGTGTGATATTTATTGAAAGGATTACAGATTGAAA 429
 Db 1476 ATGGCGAGAAAAAGATCCTGTGTGATATTTATTGAAAGGATTACAGATTGAAA 1417
 Oy 430 TGAAGTCACCAAGTAGACATTACCAATGAGAAAAACAGAGAAAAATCTTGATGGC 489
 Db 1416 TGAAGTCA-CAAAGTAGACATTACCAATGAGAAAAACAGAGAAAAATCTTGATGGC 1358
 Oy 490 TTCACAAGACATGCAAC 506
 Db 1357 TTCACAAGACATGCAAC 1341

RESULT 13
 US-09-780-669-469/c

; Sequence 469, Application US/09780669
 ; Patent No. US20020051977A1
 ; GENERAL INFORMATION:
 APPLICANT: Xu, Jiangchun
 APPLICANT: Dillon, David C.
 APPLICANT: Mitcham, Jennifer L.
 APPLICANT: Harlocker, Susan L.
 APPLICANT: Jiang, Yuqi
 APPLICANT: Henderson, Robert A.
 APPLICANT: Kalos, Michael D.
 APPLICANT: Fanger, Gary R.
 APPLICANT: Retter, Marc W.
 APPLICANT: Stolck, John A.
 APPLICANT: Day, Craig H.
 APPLICANT: Vedvick, Thomas S.
 APPLICANT: Carter, Darriick
 APPLICANT: Li, Samuel
 APPLICANT: Wang, Aijun
 APPLICANT: Skeiky, Yaelir A.W.
 APPLICANT: Hepler, William
 APPLICANT: Hurel, John
 APPLICANT: McNeill, Patricia D.
 APPLICANT: Houghton, Raymond L.
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 FILE REFERENCE: 210121.427C24
 CURRENT APPLICATION NUMBER: US/09/780,669
 CURRENT FILING DATE: 2001-02-09
 NUMBER OF SEQ ID NOS: 943
 SOFTWARE: FastSeq for Windows Version 3.0
 SEQ ID NO 469
 LENGTH: 2229
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-09-780-669-469

Query Match 48.1%; Score 243.4; DB 3; Length 2229;
 Best Local Similarity 99.2%; Pred. No. 1.2e-67;
 Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

Oy 250 CACAGATCCCTGGAGAAATGCCCGCCCATCTTGGGTCAATGATGAGCCTCGCCCTG 309
 Db 1596 CAGAGATCCCTGGAGAAATGCCCGCCCATCTTGGGTCAATGATGAGCCTCGCCCTG 1537
 Oy 310 TGCCTGTCCCGCTGTGAGGAGACATTGAAAAATGATGATGTCTTCTTAAAG 369
 Db 1536 TGCCTGTCCCGCTGTGAGGAGACATTGAAAAATGATGATGTCTTCTTAAAG 1477
 Oy 370 ATGGCGAGAAAAAGATCCTGTGTGATATTTATTGAAAGGATTACAGATTGAAA 429
 Db 1476 ATGGCGAGAAAAAGATCCTGTGTGATATTTATTGAAAGGATTACAGATTGAAA 1417
 Oy 430 TGAAGTCACCAAGTAGACATTACCAATGAGAAAAACAGAGAAAAATCTTGATGGC 489
 Db 1416 TGAAGTCA-CAAAGTAGACATTACCAATGAGAAAAACAGAGAAAAATCTTGATGGC 1358
 Oy 490 TTCACAAGACATGCAAC 506
 Db 1357 TTCACAAGACATGCAAC 1341

RESULT 14
 US-09-822-827-469/c
 ; Sequence 469, Application US/09822827
 ; Patent No. US20020081680A1
 ; GENERAL INFORMATION:
 APPLICANT: Xu, Jiangchun
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 FILE REFERENCE: 210121.534C1
 CURRENT APPLICATION NUMBER: US/09/822,827
 CURRENT FILING DATE: 2001-03-26
 NUMBER OF SEQ ID NOS: 982

SOFTWARE: FaatSeq for Windows Version 3.0
SEQ ID NO 469
LENGTH: 2229
TYPE: DNA
ORGANISM: Homo sapiens
US-09-827-827-469

Query Match 48.1%; Score 243.4; DB 3; Length 2229;
Best Local Similarity 99.2%; Pred. No. 1.2e-67;
Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

| | | | |
|----|------|--|------|
| Qy | 250 | CACAGATCCCTGGGAGAAATGCCCGCCGCCCATCTTGGGTATCGATGAGCTCGCCCTG | 309 |
| Db | 1596 | CAGAGATCCCTGGGAGAAATGCCCGCCGCCCATCTTGGGTATCGATGAGCTCGCCCTG | 1537 |
| Qy | 310 | TGCTGTGTCCTGGGTGTGAGGAGACATTTAGAAATGATGATGTGTTCTTAAAG | 369 |
| Db | 1536 | TGCTGTGTCCTGGGTGTGAGGAGACATTTAGAAATGATGATGTGTTCTTAAAG | 1477 |
| Qy | 370 | ATGGGCAAGAAAACGATCCTGTGTGATATTATTGAAACGGATTACAGATTGAAA | 429 |
| Db | 1476 | ATGGGCAAGAAAACGATCCTGTGTGATATTATTGAAACGGATTACAGATTGAAA | 1417 |
| Qy | 430 | TGAAGTCACCAAGTGAGCATTTACCAATGAGAGAAAACAGAGAAAATCTTGATGC | 489 |
| Db | 1416 | TGAAGTCACCAAGTGAGCATTTACCAATGAGAGAAAACAGAGAAAATCTTGATGC | 1358 |
| Qy | 490 | TTCAAGACATGCAAC | 506 |
| Db | 1357 | TTCAAGACATGCAAC | 1341 |

RESULT 15

US-09-895-793-469/c

Sequence 469, Application US/09895793

Publication No. US20020192763A1

GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun

APPLICANT: Dillon, David C.

APPLICANT: Micham, Jennifer L.

APPLICANT: Harlocker, Susan L.

APPLICANT: Jiang, Yugu

APPLICANT: Kalos, Michael D.

APPLICANT: Retter, Marc W.

APPLICANT: Stolk, John A.

APPLICANT: Day, Craig H.

APPLICANT: Vedrick, Thomas S.

APPLICANT: Carter, Derrick

APPLICANT: Wang, Aijun

APPLICANT: Skeiky, Yahir A.W.

APPLICANT: Hepier, William T.

APPLICANT: Henderson, Robert A.

APPLICANT: Hural, John

APPLICANT: McNeill, Patricia D.

APPLICANT: Houghton, Raymond L.

APPLICANT: Vinals de Bassols, Carloca

APPLICANT: Foy, Teresa

APPLICANT: Fanger, Gary R.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER

FILE REFERENCE: 210121.5342

CURRENT APPLICATION NUMBER: US/09/895,793

CURRENT FILING DATE: 2001-06-29

NUMBER OF SEQ ID NOS: 982

SOFTWARE: FaatSeq for Windows Version 3.0

SEQ ID NO 469

LENGTH: 2229

TYPE: DNA

ORGANISM: Homo sapiens

US-09-895-793-469

Query Match

48.1%; Score 243.4; DB 3; Length 2229;

Best Local Similarity 99.2%; Pred. No. 1.2e-67;
Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

| | | | |
|----|------|--|------|
| Qy | 250 | CACAGATCCCTGGGAGAAATGCCCGCCGCCCATCTTGGGTATCGATGAGCTCGCCCTG | 309 |
| Db | 1596 | CAGAGATCCCTGGGAGAAATGCCCGCCGCCCATCTTGGGTATCGATGAGCTCGCCCTG | 1537 |
| Qy | 310 | TGCTGTGTCCTGGGTGTGAGGAGACATTTAGAAATGATGATGTGTTCTTAAAG | 369 |
| Db | 1536 | TGCTGTGTCCTGGGTGTGAGGAGACATTTAGAAATGATGATGTGTTCTTAAAG | 1477 |
| Qy | 370 | ATGGGCAAGAAAACGATCCTGTGTGATATTATTGAAACGGATTACAGATTGAAA | 429 |
| Db | 1476 | ATGGGCAAGAAAACGATCCTGTGTGATATTATTGAAACGGATTACAGATTGAAA | 1417 |
| Qy | 430 | TGAAGTCACCAAGTGAGCATTTACCAATGAGAGAAAACAGAGAAAATCTTGATGC | 489 |
| Db | 1416 | TGAAGTCACCAAGTGAGCATTTACCAATGAGAGAAAACAGAGAAAATCTTGATGC | 1358 |
| Qy | 490 | TTCAAGACATGCAAC | 506 |
| Db | 1357 | TTCAAGACATGCAAC | 1341 |

Search completed: December 1, 2005, 15:55:34
Job time : 803 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Comphen Ltd.

OM nucleic - nucleic search, using SW model

Run on: December 1, 2005, 12:22:07 / Search time 156 Seconds
(without alignments)
5765.681 Million cell updates/sec

Title: US-09-675-650-1

Perfect score: 1 caggaagcacaaggaagc.....ggcttcacagacatgcacac 506

Scoring table: IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents, NA:
1: /cgn2_6/prodata/1/ina/1_COMB.seq:*
2: /cgn2_6/prodata/1/ina/5_COMB.seq:*
3: /cgn2_6/prodata/1/ina/6A_COMB.seq:*
4: /cgn2_6/prodata/1/ina/6B_COMB.seq:*
5: /cgn2_6/prodata/1/ina/H_COMB.seq:*
6: /cgn2_6/prodata/1/ina/PC/US_COMB.seq:*
7: /cgn2_6/prodata/1/ina/PE_COMB.seq:*
8: /cgn2_6/prodata/1/ina/PP_COMB.seq:*
9: /cgn2_6/prodata/1/ina/Backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|--------|--------------------|-------------------|
| C 1 | 243.4 | 48.1 | 812 | US-09-439-313-471 | Sequence 471, App |
| C 2 | 243.4 | 48.1 | 812 | US-09-352-616A-471 | Sequence 471, App |
| C 3 | 243.4 | 48.1 | 812 | US-09-636-215-471 | Sequence 471, App |
| C 4 | 243.4 | 48.1 | 812 | US-09-685-166A-471 | Sequence 471, App |
| C 5 | 243.4 | 48.1 | 812 | US-09-679-426-471 | Sequence 471, App |
| C 6 | 243.4 | 48.1 | 812 | US-09-759-143-471 | Sequence 471, App |
| C 7 | 243.4 | 48.1 | 812 | US-09-651-236-471 | Sequence 471, App |
| C 8 | 243.4 | 48.1 | 812 | US-09-657-279-471 | Sequence 471, App |
| C 9 | 243.4 | 48.1 | 812 | US-10-012-896-471 | Sequence 471, App |
| C 10 | 243.4 | 48.1 | 2229 | US-09-439-313-469 | Sequence 469, App |
| C 11 | 243.4 | 48.1 | 2229 | US-09-352-616A-469 | Sequence 469, App |
| C 12 | 243.4 | 48.1 | 2229 | US-09-636-215-469 | Sequence 469, App |
| C 13 | 243.4 | 48.1 | 2229 | US-09-685-166A-469 | Sequence 469, App |
| C 14 | 243.4 | 48.1 | 2229 | US-09-679-426-469 | Sequence 469, App |
| C 15 | 243.4 | 48.1 | 2229 | US-09-759-143-469 | Sequence 469, App |
| C 16 | 243.4 | 48.1 | 2229 | US-09-651-236-469 | Sequence 469, App |
| C 17 | 243.4 | 48.1 | 2229 | US-09-657-279-469 | Sequence 469, App |
| C 18 | 243.4 | 48.1 | 2229 | US-10-012-896-469 | Sequence 469, App |
| C 19 | 243.4 | 48.1 | 2426 | US-09-439-313-470 | Sequence 470, App |
| C 20 | 243.4 | 48.1 | 2426 | US-09-352-616A-470 | Sequence 470, App |
| C 21 | 243.4 | 48.1 | 2426 | US-09-636-215-470 | Sequence 470, App |
| C 22 | 243.4 | 48.1 | 2426 | US-09-685-166A-470 | Sequence 470, App |
| C 23 | 243.4 | 48.1 | 2426 | US-09-679-426-470 | Sequence 470, App |
| C 24 | 243.4 | 48.1 | 2426 | US-09-759-143-470 | Sequence 470, App |

| | | | | | |
|------|-------|------|------|--------------------|-------------------|
| C 25 | 243.4 | 48.1 | 2426 | US-09-651-236-470 | Sequence 470, App |
| C 26 | 243.4 | 48.1 | 2426 | US-09-657-279-470 | Sequence 470, App |
| C 27 | 243.4 | 48.1 | 2426 | US-10-012-896-470 | Sequence 470, App |
| C 28 | 243.4 | 48.1 | 2426 | US-09-439-313-468 | Sequence 468, App |
| C 29 | 243.4 | 48.1 | 3112 | US-09-636-215-468 | Sequence 468, App |
| C 30 | 243.4 | 48.1 | 3112 | US-09-685-166A-468 | Sequence 468, App |
| C 31 | 243.4 | 48.1 | 3112 | US-09-679-426-468 | Sequence 468, App |
| C 32 | 243.4 | 48.1 | 3112 | US-09-759-143-468 | Sequence 468, App |
| C 33 | 243.4 | 48.1 | 3112 | US-09-651-236-468 | Sequence 468, App |
| C 34 | 243.4 | 48.1 | 3112 | US-09-657-279-468 | Sequence 468, App |
| C 35 | 243.4 | 48.1 | 3112 | US-10-012-896-468 | Sequence 468, App |
| C 36 | 243.4 | 48.1 | 3112 | US-09-636-215-650 | Sequence 650, App |
| C 37 | 243.4 | 48.1 | 3923 | US-09-685-166A-650 | Sequence 650, App |
| C 38 | 243.4 | 48.1 | 3923 | US-09-679-426-650 | Sequence 650, App |
| C 39 | 243.4 | 48.1 | 3923 | US-09-759-143-650 | Sequence 650, App |
| C 40 | 243.4 | 48.1 | 3923 | US-09-651-236-650 | Sequence 650, App |
| C 41 | 243.4 | 48.1 | 3923 | US-09-657-279-650 | Sequence 650, App |
| C 42 | 243.4 | 48.1 | 3923 | US-10-012-896-650 | Sequence 650, App |
| C 43 | 243.4 | 48.1 | 718 | US-09-439-313-313 | Sequence 313, App |
| C 44 | 218.4 | 43.2 | 718 | US-09-352-616A-313 | Sequence 313, App |
| C 45 | 218.4 | 43.2 | 718 | US-09-679-426-313 | Sequence 313, App |

ALIGNMENTS

```

RESULT 1
US-09-439-313-471/C
/ Sequence 471, Application US/09439313
/ Patent No. 6329505
/ GENERAL INFORMATION:
/ APPLICANT: Xu, Jianshun
/ APPLICANT: Dillon, David C.
/ APPLICANT: Micham, Jennifer L.
/ APPLICANT: Harlocker, Susan Louise
/ APPLICANT: Jianshun Xu
/ APPLICANT: Reed, Steven G.
/ APPLICANT: Kalos, Michael
/ APPLICANT: Fanger, Gary
/ APPLICANT: Retter, Mark
/ APPLICANT: Solt, John
/ APPLICANT: Day, Craig
/ TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
/ FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
/ FILE REFERENCE: 210121.427C9
/ CURRENT APPLICATION NUMBER: US/09/439,313
/ CURRENT FILING DATE: 1999-11-12
/ NUMBER OF SEQ ID NOS: 575
/ SOFTWARE: FASTSEQ for Windows Version 3.0
/ SEQ ID NO 471
/ LENGTH: 812
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-439-313-471

Query Match      48.1% Score 243.4; DB 3; Length 812;
Best Local Similarity 99.2% Pred. No. 2.5e-70;
Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

250 CACAGATCCCTGGGAGAAATGCCCGCCGCTTGGTCAATGATGAGCCGCGCCG 309
541 CAGAGATCCCTGGGAGAAATGCCCGCCGCTTGGTCAATGATGAGCCGCGCCG 482
310 TGCCTGTCCTGCTGTGAGGAGAGACATTGAAATGATGATGCTTCTTAAGG 369
481 TGCCTGTCCTGCTGTGAGGAGAGACATTGAAATGATGATGCTTCTTAAGG 422
370 ATGGCAGAGAAACAGATCCTGTTGATATTTTGAACGGATTTCAATTGAAA 429
421 ATGGCAGAGAAACAGATCCTGTTGATATTTTGAACGGATTTCAATTGAAA 362
430 TGAATTCACCAAGGACATTAACATGAGAGAGAAACAGACGAGAAATCTGATGCG 489

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DB 361 TGAAGTCA-CMAAGTGACATTACCAATGAGAGAAAAACAGAGAAATCTTGATGGC 303
QY 490 TTCACAGACATGCAAC 506
DB 302 TTCACAGACATGCAAC 286

RESULT 2

US-09-352-616A-471/c
Sequence 471, Application US/09352616A

Patient No. 6395278
GENERAL INFORMATION:

APPLICANT: Dillon, Davin C.
APPLICANT: Harlocker, Susan Louise

APPLICANT: Jiang, Yugu
APPLICANT: Xu, Jiangchun

APPLICANT: Mitcham, Jennifer Lynn

TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
FILE REFERENCE: 210121.427C8

CURRENT APPLICATION NUMBER: US/09/352,616A

CURRENT FILING DATE: 1999-07-13

NUMBER OF SEQ ID NOS: 472

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 471

LENGTH: 812

TYPE: DNA

ORGANISM: Homo sapiens

US-09-352-616A-471

Query Match

Best Local Similarity 99.2%; Pred. No. 2.5e-70;
Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 250 CACAGATCCCTGGGAGAAATGCCCGCCCATCTTGGTCATCGATGAGCCCTGCGCTG 309

DB 541 CAGAGATCCCTGGGAGAAATGCCCGCCCATCTTGGTCATCGATGAGCCCTGCGCTG 482

QY 310 TGCCTGTCCTGCTTGTGAGGAGAGACATTAGAAAATGATGTGTTCTTAAAG 369

DB 481 TGCCTGTCCTGCTTGTGAGGAGAGACATTAGAAAATGATGTGTTCTTAAAG 422

QY 370 ATGGGAGAGAAACAGATCTGTTGTGATATTTATTGAACGGATTCACATTTGAA 429

DB 421 ATGGGAGAGAAACAGATCTGTTGTGATATTTATTGAACGGATTCACATTTGAA 362

QY 430 TGAAGTCACCAAGTGACATTACCAATGAGAGAAAAACAGAGAAATCTTGATGGC 489

DB 361 TGAAGTCACCAAGTGACATTACCAATGAGAGAAAAACAGAGAAATCTTGATGGC 303

QY 490 TTCACAGACATGCAAC 506

DB 302 TTCACAGACATGCAAC 286

RESULT 3

US-09-636-215-471/c

Sequence 471, Application US/09636215

Patient No. 6620922
GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.

APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.

APPLICANT: Jiang, Yugu
APPLICANT: Henderson, Robert A.

APPLICANT: Kaloos, Michael D.
APPLICANT: Fanger, Gary R.

APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.

APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.

APPLICANT: Carter, Darrick

APPLICANT: Wang, Aljun

APPLICANT: Skeiky, Yashir A.W.

APPLICANT: Hepler, William

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

FILE REFERENCE: 210121.427C21

CURRENT APPLICATION NUMBER: US/09/685,166A

CURRENT FILING DATE: 2000-10-10

NUMBER OF SEQ ID NOS: 898

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 471

LENGTH: 812

US-09-685-166A-471/c

Sequence 471, Application US/09685166A

Patient No. 6630305
GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.

APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.

APPLICANT: Jiang, Yugu
APPLICANT: Henderson, Robert A.

APPLICANT: Kaloos, Michael D.
APPLICANT: Fanger, Gary R.

APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.

APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.

APPLICANT: Carter, Darrick

APPLICANT: Wang, Aljun

APPLICANT: Skeiky, Yashir A.W.

APPLICANT: Hepler, William

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

FILE REFERENCE: 210121.427C21

CURRENT APPLICATION NUMBER: US/09/685,166A

CURRENT FILING DATE: 2000-10-10

NUMBER OF SEQ ID NOS: 898

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 471

LENGTH: 812

APPLICANT: Li, Samuel
APPLICANT: Wang, Aljun
APPLICANT: Skeiky, Yashir A.W.
APPLICANT: Hepler, William
TITLE OF INVENTION: COMPOSITIONS OF PROSTATE CANCER
FILE REFERENCE: 210121.4271C17
CURRENT APPLICATION NUMBER: US/09/636,215
CURRENT FILING DATE: 2000-08-10
NUMBER OF SEQ ID NOS: 852
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 471
LENGTH: 812
TYPE: DNA
ORGANISM: Homo sapiens
US-09-636-215-471

Query Match

Best Local Similarity 99.2%; Pred. No. 2.5e-70;
Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 250 CACAGATCCCTGGGAGAAATGCCCGCCCATCTTGGTCATCGATGAGCCCTGCGCTG 309

DB 541 CAGAGATCCCTGGGAGAAATGCCCGCCCATCTTGGTCATCGATGAGCCCTGCGCTG 482

QY 310 TGCCTGTCCTGCTTGTGAGGAGAGACATTAGAAAATGATGTGTTCTTAAAG 369

DB 481 TGCCTGTCCTGCTTGTGAGGAGAGACATTAGAAAATGATGTGTTCTTAAAG 422

QY 370 ATGGGAGAGAAACAGATCTGTTGTGATATTTATTGAACGGATTCACATTTGAA 429

DB 421 ATGGGAGAGAAACAGATCTGTTGTGATATTTATTGAACGGATTCACATTTGAA 362

QY 430 TGAAGTCACCAAGTGACATTACCAATGAGAGAAAAACAGAGAAATCTTGATGGC 489

DB 361 TGAAGTCACCAAGTGACATTACCAATGAGAGAAAAACAGAGAAATCTTGATGGC 303

QY 490 TTCACAGACATGCAAC 506

DB 302 TTCACAGACATGCAAC 286

RESULT 4

US-09-685-166A-471/c

Sequence 471, Application US/09685166A

Patient No. 6630305
GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.

APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.

APPLICANT: Jiang, Yugu
APPLICANT: Henderson, Robert A.

APPLICANT: Kaloos, Michael D.
APPLICANT: Fanger, Gary R.

APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.

APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.

APPLICANT: Carter, Darrick

APPLICANT: Wang, Aljun

APPLICANT: Skeiky, Yashir A.W.

APPLICANT: Hepler, William

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

FILE REFERENCE: 210121.427C21

CURRENT APPLICATION NUMBER: US/09/685,166A

CURRENT FILING DATE: 2000-10-10

NUMBER OF SEQ ID NOS: 898

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 471

LENGTH: 812

TYPE: DNA
ORGANISM: Homo sapiens
US-09-685-166A-471

Query Match 48.1%; Score 243.4; DB 3; Length 812;
Best Local Similarity 99.2%; Pred. No. 2.5e-70;
Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 250 CACAGATCCCTGGAGAAATGCCCGCCGATCTTGGGTGATGATGAGCCCTGCGCTG 309
DB 541 CAGAGATCCCTGGAGAAATGCCCGCCGATCTTGGGTGATGATGAGCCCTGCGCTG 482
QY 310 TGCCTGTCCTGCTTGTGAGGAGACATTAGAAAATGATGATGATGATGATGATG 369
DB 481 TGCCTGTCCTGCTTGTGAGGAGACATTAGAAAATGATGATGATGATGATGATG 422
QY 370 ATGGCAGAGAAACAGATCCCTGTTGATATTTTGAAGGATTAACAGATTGAAA 429
DB 421 ATGGCAGAGAAACAGATCCCTGTTGATATTTTGAAGGATTAACAGATTGAAA 362
QY 430 TGAAGTCACCAAGTGAGCATTAACCAATGAGAGAAAAAGAGAAAAATCTTGATGAC 489
DB 361 TGAAGTCACCAAGTGAGCATTAACCAATGAGAGAAAAAGAGAAAAATCTTGATGAC 303
QY 490 TTCACAGACATGCAAC 506
DB 302 TTCACAGACATGCAAC 286

RESULT 5
US-09-679-426-471/c
Sequence 471, Application US/09679426
Patent No. 6759515

GENERAL INFORMATION:

APPLICANT: Xu, Jianshun
APPLICANT: Dillon, Devin C.
APPLICANT: Mitchem, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yuqi
APPLICANT: Henderson, Robert A.
APPLICANT: Kalos, Michael D.
APPLICANT: Fanger, Gary R.
APPLICANT: Retter, Marc W.
APPLICANT: Stolck, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedrick, Thomas S.
APPLICANT: Carter, Derrick
APPLICANT: Li, Samuel
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C20
CURRENT APPLICATION NUMBER: US/09/679,426
CURRENT FILING DATE: 2000-10-02
NUMBER OF SEQ ID NOS: 895
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 471
LENGTH: 812
TYPE: DNA
ORGANISM: Homo sapiens
US-09-679-426-471

Query Match 48.1%; Score 243.4; DB 3; Length 812;
Best Local Similarity 99.2%; Pred. No. 2.5e-70;
Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 250 CACAGATCCCTGGAGAAATGCCCGCCGATCTTGGGTGATGATGAGCCCTGCGCTG 309
DB 541 CAGAGATCCCTGGAGAAATGCCCGCCGATCTTGGGTGATGATGAGCCCTGCGCTG 482
QY 310 TGCCTGTCCTGCTTGTGAGGAGACATTAGAAAATGATGATGATGATGATGATG 369

DB 481 TGCCTGTCCTGCTTGTGAGGAGACATTAGAAAATGATGATGATGATGATGATG 422
QY 370 ATGGCAGAGAAACAGATCCCTGTTGATATTTTGAAGGATTAACAGATTGAAA 429
DB 421 ATGGCAGAGAAACAGATCCCTGTTGATATTTTGAAGGATTAACAGATTGAAA 362
QY 430 TGAAGTCACCAAGTGAGCATTAACCAATGAGAGAAAAAGAGAAAAATCTTGATGAC 489
DB 361 TGAAGTCACCAAGTGAGCATTAACCAATGAGAGAAAAAGAGAAAAATCTTGATGAC 303
QY 490 TTCACAGACATGCAAC 506
DB 302 TTCACAGACATGCAAC 286

RESULT 6
US-09-759-143-471/c
Sequence 471, Application US/09759143
Patent No. 6800746

GENERAL INFORMATION:

APPLICANT: Xu, Jianshun
APPLICANT: Dillon, Devin C.
APPLICANT: Mitchem, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yuqi
APPLICANT: Henderson, Robert A.
APPLICANT: Kalos, Michael D.
APPLICANT: Fanger, Gary R.
APPLICANT: Retter, Marc W.
APPLICANT: Stolck, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedrick, Thomas S.
APPLICANT: Carter, Derrick
APPLICANT: Li, Samuel
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C23
CURRENT APPLICATION NUMBER: US/09/759,143
CURRENT FILING DATE: 2001-01-12
NUMBER OF SEQ ID NOS: 934
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 471
LENGTH: 812
TYPE: DNA
ORGANISM: Homo sapiens
US-09-759-143-471

Query Match 48.1%; Score 243.4; DB 3; Length 812;
Best Local Similarity 99.2%; Pred. No. 2.5e-70;
Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 250 CACAGATCCCTGGAGAAATGCCCGCCGATCTTGGGTGATGATGAGCCCTGCGCTG 309
DB 541 CAGAGATCCCTGGAGAAATGCCCGCCGATCTTGGGTGATGATGAGCCCTGCGCTG 482
QY 310 TGCCTGTCCTGCTTGTGAGGAGACATTAGAAAATGATGATGATGATGATGATG 369
DB 481 TGCCTGTCCTGCTTGTGAGGAGACATTAGAAAATGATGATGATGATGATGATG 422
QY 370 ATGGCAGAGAAACAGATCCCTGTTGATATTTTGAAGGATTAACAGATTGAAA 429
DB 421 ATGGCAGAGAAACAGATCCCTGTTGATATTTTGAAGGATTAACAGATTGAAA 362
QY 430 TGAAGTCACCAAGTGAGCATTAACCAATGAGAGAAAAAGAGAAAAATCTTGATGAC 489
DB 361 TGAAGTCACCAAGTGAGCATTAACCAATGAGAGAAAAAGAGAAAAATCTTGATGAC 303
QY 490 TTCACAGACATGCAAC 506

DB 302 TTCACAAGACATGCAAC 286

RESULT 7

US-09-651-236-471/c

/ Sequence 471, Application US/09651236

/ Patent No. 6818751

/ GENERAL INFORMATION:

/ APPLICANT: Xu, Jiangchun

/ APPLICANT: Dillon, Davin C.

/ APPLICANT: Mitcham, Jennifer L.

/ APPLICANT: Harlocker, Susan L.

/ APPLICANT: Jiang, Yugu

/ APPLICANT: Henderson, Robert A.

/ APPLICANT: Kalos, Michael D.

/ APPLICANT: Fanger, Gary R.

/ APPLICANT: Retter, Marc W.

/ APPLICANT: Stolck, John A.

/ APPLICANT: Day, Craig H.

/ APPLICANT: Vedvick, Thomas S.

/ APPLICANT: Carter, Darrick

/ APPLICANT: Li, Samuel

/ APPLICANT: Meng, Aijun

/ APPLICANT: Skelky, Yasir A.W.

/ APPLICANT: Hepier, William

/ TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

/ FILE REFERENCE: 210121.42718C19

/ CURRENT APPLICATION NUMBER: US/09/651.236

/ NUMBER OF SEQ ID NOS: 865

/ SOFTWARE: FastSeq for Windows Version 3.0

/ SEQ ID NO 471

/ LENGTH: 812

/ TYPE: DNA

/ ORGANISM: Homo sapiens

US-09-651-236-471

Query Match 48.1%; Score 243.4; DB 3; Length 812;

Best Local Similarity 99.2%; Pred. No. 2.5e-70;

Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 250 CACAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTCATCGATGAGCTCGCCCTG 309

DB 541 CAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTCATCGATGAGCTCGCCCTG 482

QY 310 TGCCTGTCCCGCTTGTGAGGAGAGCATTTAGAAAATGAATTGATGTCTCTTAAGG 369

DB 481 TGCCTGTCCCGCTTGTGAGGAGAGCATTTAGAAAATGAATTGATGTCTCTTAAGG 422

QY 370 ATGGGAGGAAAACAGATCCTGTGTGATATTATTGAAACGGATTACAGATTGAAA 429

DB 421 ATGGGAGGAAAACAGATCCTGTGTGATATTATTGAAACGGATTACAGATTGAAA 362

QY 430 TGAAGTCACCAAGTGAGCTTACCAATGAGAGAAAACGAGAGAAAATCTTGATGGC 489

DB 361 TGAAGTCA-CAAAGTGAGCTTACCAATGAGAGAAAACGAGAGAAAATCTTGATGGC 303

QY 490 TTCACAAGACATGCAAC 506

DB 302 TTCACAAGACATGCAAC 286

RESULT 8

US-09-657-279-471/c

/ Sequence 471, Application US/09657279

/ Patent No. 6894146

/ GENERAL INFORMATION:

/ APPLICANT: Xu, Jiangchun

/ APPLICANT: Dillon, Davin C.

/ APPLICANT: Mitcham, Jennifer L.

/ APPLICANT: Harlocker, Susan L.

/ APPLICANT: Jiang, Yugu

/ APPLICANT: Henderson, Robert A.

/ APPLICANT: Kalos, Michael D.

/ APPLICANT: Fanger, Gary R.

/ APPLICANT: Retter, Marc W.

/ APPLICANT: Stolck, John A.

/ APPLICANT: Day, Craig H.

/ APPLICANT: Vedvick, Thomas S.

/ APPLICANT: Carter, Darrick

/ APPLICANT: Li, Samuel

/ APPLICANT: Meng, Aijun

/ APPLICANT: Skelky, Yasir A.W.

/ APPLICANT: Hepier, William

/ TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

/ FILE REFERENCE: 210121.427C19

/ CURRENT APPLICATION NUMBER: US/09/657,279

/ NUMBER OF SEQ ID NOS: 877

/ SOFTWARE: FastSeq for Windows Version 3.0

/ SEQ ID NO 471

/ LENGTH: 812

/ TYPE: DNA

/ ORGANISM: Homo sapiens

US-09-657-279-471

Query Match 48.1%; Score 243.4; DB 3; Length 812;

Best Local Similarity 99.2%; Pred. No. 2.5e-70;

Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 250 CACAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTCATCGATGAGCTCGCCCTG 309

DB 541 CAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTCATCGATGAGCTCGCCCTG 482

QY 310 TGCCTGTCCCGCTTGTGAGGAGAGCATTTAGAAAATGAATTGATGTCTCTTAAGG 369

DB 481 TGCCTGTCCCGCTTGTGAGGAGAGCATTTAGAAAATGAATTGATGTCTCTTAAGG 422

QY 370 ATGGGAGGAAAACAGATCCTGTGTGATATTATTGAAACGGATTACAGATTGAAA 429

DB 421 ATGGGAGGAAAACAGATCCTGTGTGATATTATTGAAACGGATTACAGATTGAAA 362

QY 430 TGAAGTCACCAAGTGAGCATTCACATGAGAGAAAACGAGAGAAAATCTTGATGGC 489

DB 361 TGAAGTCA-CAAAGTGAGCATTCACATGAGAGAAAACGAGAGAAAATCTTGATGGC 303

QY 490 TTCACAAGACATGCAAC 506

DB 302 TTCACAAGACATGCAAC 286

RESULT 9

US-10-012-896-471/c

/ Sequence 471, Application US/10012896

/ Patent No. 6943236

/ GENERAL INFORMATION:

/ APPLICANT: Xu, Jiangchun

/ APPLICANT: Dillon, Davin C.

/ APPLICANT: Mitcham, Jennifer L.

/ APPLICANT: Harlocker, Susan L.

/ APPLICANT: Jiang, Yugu

/ APPLICANT: Kalos, Michael D.

/ APPLICANT: Retter, Marc W.

/ APPLICANT: Stolck, John A.

/ APPLICANT: Day, Craig H.

/ APPLICANT: Vedvick, Thomas S.

/ APPLICANT: Carter, Darrick

/ APPLICANT: Li, Samuel X.

/ APPLICANT: Meng, Aijun

/ APPLICANT: Skelky, Yasir A.W.

/ APPLICANT: Hepier, William T.

/ APPLICANT: Henderson, Robert A.

/ APPLICANT: Hural, John

/ APPLICANT: McNeill, Patricia D.

```
APPLICANT: Houghton, Raymond L.
APPLICANT: Vinals de Baezols, Carlota
APPLICANT: Foy, Teresa
APPLICANT: Fanger, Gary R.
APPLICANT: Mantanabe, Yoshihiro
APPLICANT: Mesgher, Madeleine Joy
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
FILE REFERENCE: 210121.427C27
CURRENT APPLICATION NUMBER: US/10/012,896
CURRENT FILING DATE: 2001-12-10
NUMBER OF SEQ ID NOS: 1011
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 471
LENGTH: 812
TYPE: DNA
ORGANISM: Homo sapiens
US-10-013-896-471
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Query Match 48.1%; Score 243.4; DB 3; Length 812;
Best Local Similarity 99.2%; Pred. No. 2.5e-70;
Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;
```

```
QY 250 CACAGATCCCTGGGAGAAATGCGCGCCGATCTTGGGTCATGATGAGCCCTGCGCCCTG 309
DB 541 CAGAGATCCCTGGGAGAAATGCGCGCCGATCTTGGGTCATGATGAGCCCTGCGCCCTG 482
QY 310 TGCCTGTCCGCTGTGTGAGGAGACATTAAGAAATGATGTGTTCTTAAAG 369
DB 481 TGCCTGTCCGCTGTGTGAGGAGACATTAAGAAATGATGTGTTCTTAAAG 422
QY 370 ATGGCAGAGAAACAGATCTGTGTGATATTATTGAGCGGATTACATTTGAAA 429
DB 421 ATGGCAGAGAAACAGATCTGTGTGATATTATTGAGCGGATTACATTTGAAA 362
QY 430 TGAAGTCACCAAGTAGCATTAACAATGAGAGAAACAGACGAGAAATCTTGATGCG 489
DB 361 TGAAGTCACCAAGTAGCATTAACAATGAGAGAAACAGACGAGAAATCTTGATGCG 303
QY 490 TTCACAGACATGCAAC 506
DB 302 TTCACAGACATGCAAC 286
```

```
RESULT 10
US-09-439-313-469/c
Sequence 469, Application US/09439313
Patent No. 6329505
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan Louise
APPLICANT: Jiang Yuqi
APPLICANT: Reed, Steven G.
APPLICANT: Kalos, Michael
APPLICANT: Fanger, Gary
APPLICANT: Reiter, Mark
APPLICANT: Solik, John
APPLICANT: Day, Craig
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
FILE REFERENCE: 210121.427C9
CURRENT APPLICATION NUMBER: US/09/439,313
CURRENT FILING DATE: 1999-11-12
NUMBER OF SEQ ID NOS: 575
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 469
LENGTH: 2229
TYPE: DNA
ORGANISM: Homo sapiens
US-09-439-313-469
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Query Match 48.1%; Score 243.4; DB 3; Length 2229;
Best Local Similarity 99.2%; Pred. No. 4.4e-70;
Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;
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QY 250 CACAGATCCCTGGGAGAAATGCGCGCCGATCTTGGGTCATGATGAGCCCTGCGCCCTG 309
DB 1596 CAGAGATCCCTGGGAGAAATGCGCGCCGATCTTGGGTCATGATGAGCCCTGCGCCCTG 1537
QY 310 TGCCTGTCCGCTGTGTGAGGAGACATTAAGAAATGATGTGTTCTTAAAG 369
DB 1536 TGCCTGTCCGCTGTGTGAGGAGACATTAAGAAATGATGTGTTCTTAAAG 1477
QY 370 ATGGCAGAGAAACAGATCTGTGTGATATTATTGAGCGGATTACATTTGAAA 429
DB 1476 ATGGCAGAGAAACAGATCTGTGTGATATTATTGAGCGGATTACATTTGAAA 1417
QY 430 TGAAGTCACCAAGTAGCATTAACAATGAGAGAAACAGACGAGAAATCTTGATGCG 489
DB 1416 TGAAGTCACCAAGTAGCATTAACAATGAGAGAAACAGACGAGAAATCTTGATGCG 1358
QY 490 TTCACAGACATGCAAC 506
DB 1357 TTCACAGACATGCAAC 1341
```

```
RESULT 11
US-09-352-616A-469/c
Sequence 469, Application US/09352616A
Patent No. 6395278
GENERAL INFORMATION:
APPLICANT: Dillon, Davin C.
APPLICANT: Harlocker, Susan Louise
APPLICANT: Jiang, Yuqi
APPLICANT: Xu, Jiangchun
APPLICANT: Mitcham, Jennifer Lynn
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
FILE REFERENCE: 210121.427C8
CURRENT APPLICATION NUMBER: US/09/352,616A
CURRENT FILING DATE: 1999-07-13
NUMBER OF SEQ ID NOS: 472
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 469
LENGTH: 2229
TYPE: DNA
ORGANISM: Homo sapiens
US-09-352-616A-469
```

```
Query Match 48.1%; Score 243.4; DB 3; Length 2229;
Best Local Similarity 99.2%; Pred. No. 4.4e-70;
Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;
```

```
QY 250 CACAGATCCCTGGGAGAAATGCGCGCCGATCTTGGGTCATGATGAGCCCTGCGCCCTG 309
DB 1596 CAGAGATCCCTGGGAGAAATGCGCGCCGATCTTGGGTCATGATGAGCCCTGCGCCCTG 1537
QY 310 TGCCTGTCCGCTGTGTGAGGAGACATTAAGAAATGATGTGTTCTTAAAG 369
DB 1536 TGCCTGTCCGCTGTGTGAGGAGACATTAAGAAATGATGTGTTCTTAAAG 1477
QY 370 ATGGCAGAGAAACAGATCTGTGTGATATTATTGAGCGGATTACATTTGAAA 429
DB 1476 ATGGCAGAGAAACAGATCTGTGTGATATTATTGAGCGGATTACATTTGAAA 1417
QY 430 TGAAGTCACCAAGTAGCATTAACAATGAGAGAAACAGACGAGAAATCTTGATGCG 489
DB 1416 TGAAGTCACCAAGTAGCATTAACAATGAGAGAAACAGACGAGAAATCTTGATGCG 1358
QY 490 TTCACAGACATGCAAC 506
DB 1357 TTCACAGACATGCAAC 1341
```

```

RESULT 12
US-09-636-215-469/C
; Sequence 469, Application US/09636215
; Patent No. 6620922
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, David C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kaloos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darriek
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.42717C17
; CURRENT APPLICATION NUMBER: US/09/636,215
; CURRENT FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 852
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-636-215-469

Query Match      48.1%; Score 243.4; DB 3; Length 2229;
Best Local Similarity 99.2%; Pred. No. 4.4e-70;
Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY      250 CACAGATCCCTGGAGAAATGCGCGCCGATCTTGGGTCATCGATGAGCCTCGCCCTG 309
DB      1596 CAGAGATCCCTGGAGAAATGCGCGCCGATCTTGGGTCATCGATGAGCCTCGCCCTG 1537
QY      310 TGCCTGTCCTCCGCTTGTGAGGAGAGACATTAGAAAATGATGTGTTCTTAAAG 369
DB      1536 TGCCTGTCCTCCGCTTGTGAGGAGAGACATTAGAAAATGATGTGTTCTTAAAG 1477
QY      370 ATGGGCGAGAAAACAGATCTGTTGTGATATTATTGAAACGGATTAACAATTTGAAA 429
DB      1476 ATGGGCGAGAAAACAGATCTGTTGTGATATTATTGAAACGGATTAACAATTTGAAA 1417
QY      430 TGAAGTCACCAAGTGAAGTACCAATGAGAGAAAACAGAGAAAATCTTGATGGC 489
DB      1416 TGAAGTCA-CAAGTGAAGTTCACCAATGAGAGAAAACAGAGAAAATCTTGATGGC 1358
QY      490 TTCACAAGACATGCAAC 506
DB      1357 TTCACAAGACATGCAAC 1341

RESULT 13
US-09-685-166A-469/C
; Sequence 469, Application US/09685166A
; Patent No. 6630305
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, David C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kaloos, Michael D.
; APPLICANT: Fanger, Gary R.

```

```

; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darriek
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C21
; CURRENT APPLICATION NUMBER: US/09/685,166A
; CURRENT FILING DATE: 2000-10-10
; NUMBER OF SEQ ID NOS: 898
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-685-166A-469

Query Match      48.1%; Score 243.4; DB 3; Length 2229;
Best Local Similarity 99.2%; Pred. No. 4.4e-70;
Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY      250 CACAGATCCCTGGAGAAATGCGCGCCGATCTTGGGTCATCGATGAGCCTCGCCCTG 309
DB      1596 CAGAGATCCCTGGAGAAATGCGCGCCGATCTTGGGTCATCGATGAGCCTCGCCCTG 1537
QY      310 TGCCTGTCCTCCGCTTGTGAGGAGAGACATTAGAAAATGATGTGTTCTTAAAG 369
DB      1536 TGCCTGTCCTCCGCTTGTGAGGAGAGACATTAGAAAATGATGTGTTCTTAAAG 1477
QY      370 ATGGGCGAGAAAACAGATCTGTTGTGATATTATTGAAACGGATTAACAATTTGAAA 429
DB      1476 ATGGGCGAGAAAACAGATCTGTTGTGATATTATTGAAACGGATTAACAATTTGAAA 1417
QY      430 TGAAGTCACCAAGTGAAGTACCAATGAGAGAAAACAGAGAAAATCTTGATGGC 489
DB      1416 TGAAGTCA-CAAGTGAAGTTCACCAATGAGAGAAAACAGAGAAAATCTTGATGGC 1358
QY      490 TTCACAAGACATGCAAC 506
DB      1357 TTCACAAGACATGCAAC 1341

RESULT 14
US-09-679-426-469/C
; Sequence 469, Application US/09679426
; Patent No. 6759515
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, David C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kaloos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darriek
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C20
; CURRENT APPLICATION NUMBER: US/09/679,426

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/ CURRENT FILING DATE: 2000-10-02
/ NUMBER OF SEQ ID NOS: 895
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 469
/ LENGTH: 2229
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-675-426-469

Query Match 48.1%; Score 243.4; DB 3; Length 2229;
Best Local Similarity 99.2%; Pred. No. 4,4e-70;
Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 250 CACAGATCCCTGGGAGAAATGCCCGCCCATCTTGGGTCAATGAGCTCGCCCTG 309
DB 1596 CAGAGATCCCTGGGAGAAATGCCCGCCCATCTTGGGTCAATGAGCTCGCCCTG 1537
QY 310 TGCCGTGTCCTGGGTGTGAGGAGACATTAAGAAATGAATGATGCTTCTTAAAG 369
DB 1536 TGCCGTGTCCTGGGTGTGAGGAGACATTAAGAAATGAATGATGCTTCTTAAAG 1477
QY 370 ATGGCAGGAAAAACAGATCCTGTGTGATATTTTGAACGGGATTCAGATTGAAA 429
DB 1476 ATGGCAGGAAAAACAGATCCTGTGTGATATTTTGAACGGGATTCAGATTGAAA 1417
QY 430 TGAAGTCACAAAGTGAGCATTACCAATGAGAGAAAAACAGACGAGAAAAATCTTGAATGCG 489
DB 1416 TGAAGTCACAAAGTGAGCATTACCAATGAGAGAAAAACAGACGAGAAAAATCTTGAATGCG 1358
QY 490 TTCACAGACATGCAC 506
DB 1357 TTCACAGACATGCAC 1341

RESULT 15

US-09-759-143-469/C
/ Sequence 469, Application US/09759143
/ Patent No. 6800746

GENERAL INFORMATION:

/ APPLICANT: Xu, Jianshun
/ APPLICANT: Dillon, Davin C.
/ APPLICANT: Mitcham, Jennifer L.
/ APPLICANT: Harlocker, Susan L.
/ APPLICANT: Jiang, Yugu
/ APPLICANT: Henderson, Robert A.
/ APPLICANT: Kalos, Michael D.
/ APPLICANT: Fanger, Gary R.
/ APPLICANT: Reiter, Marc W.
/ APPLICANT: Stolk, John A.
/ APPLICANT: Day, Craig H.
/ APPLICANT: Vedrick, Thomas S.
/ APPLICANT: Carter, Darrick
/ APPLICANT: Li, Samuel
/ APPLICANT: Wang, Aijun
/ APPLICANT: Skeiky, Yabir A.W.
/ APPLICANT: Hepler, William
/ TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
/ FILE REFERENCE: 210121.427C23
/ CURRENT APPLICATION NUMBER: US/09/759,143
/ NUMBER OF SEQ ID NOS: 934
/ CURRENT FILING DATE: 2001-01-12
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 469
/ LENGTH: 2229
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-759-143-469

Query Match 48.1%; Score 243.4; DB 3; Length 2229;
Best Local Similarity 99.2%; Pred. No. 4,4e-70;
Matches 255; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 250 CACAGATCCCTGGGAGAAATGCCCGCCCATCTTGGGTCAATGAGCTCGCCCTG 309
DB 1596 CAGAGATCCCTGGGAGAAATGCCCGCCCATCTTGGGTCAATGAGCTCGCCCTG 1537
QY 310 TGCCGTGTCCTGGGTGTGAGGAGACATTAAGAAATGAATGATGCTTCTTAAAG 369
DB 1536 TGCCGTGTCCTGGGTGTGAGGAGACATTAAGAAATGAATGATGCTTCTTAAAG 1477
QY 370 ATGGCAGGAAAAACAGATCCTGTGTGATATTTTGAACGGGATTCAGATTGAAA 429
DB 1476 ATGGCAGGAAAAACAGATCCTGTGTGATATTTTGAACGGGATTCAGATTGAAA 1417
QY 430 TGAAGTCACAAAGTGAGCATTACCAATGAGAGAAAAACAGACGAGAAAAATCTTGAATGCG 489
DB 1416 TGAAGTCACAAAGTGAGCATTACCAATGAGAGAAAAACAGACGAGAAAAATCTTGAATGCG 1358
QY 490 TTCACAGACATGCAC 506
DB 1357 TTCACAGACATGCAC 1341

Search completed: December 1, 2005, 13:47:44
Job time : 157 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: December 1, 2005, 13:47:53, Search time 155 Seconds
(without alignment)
5802.879 Million cell updates/sec

Title: US-09-675-650-1

Perfect score: 506
Sequence: 1 cagaagacacacaaaggaagc.....ggcttcacacagacatgcac 506

Scoring table: IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 1289296

Minimum DB seq length: 10
Maximum DB seq length: 50

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database: Issued Patents NA:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|--------|-------|---|
| 1 | 22.6 | 4.5 | 47 | 3 | US-09-671-317-711 Sequence 711, App |
| 2 | 21 | 4.2 | 47 | 3 | US-09-422-978-66 Sequence 66, Appl |
| 3 | 20.6 | 4.1 | 50 | 3 | US-10-131-827-7842 Sequence 7842, Ap |
| 4 | 20.2 | 4.0 | 48 | 2 | US-08-853-217-24 Sequence 24, Appl |
| 5 | 20.2 | 4.0 | 48 | 3 | US-09-636-735A-6 Sequence 6, Appl |
| 6 | 19.8 | 3.9 | 47 | 3 | US-09-422-978-337 Sequence 337, App |
| 7 | 19.8 | 3.9 | 48 | 2 | US-08-317-102-1 Sequence 1, Appl |
| 8 | 19.8 | 3.9 | 48 | 2 | US-08-317-102-2 Sequence 2, Appl |
| 9 | 19.8 | 3.9 | 50 | 3 | US-10-131-827-7174 Sequence 7174, Ap |
| 10 | 19.6 | 3.9 | 47 | 3 | US-09-422-978-3643 Sequence 3643, Ap |
| 11 | 19.4 | 3.8 | 50 | 3 | US-09-390-867A-33 Sequence 33, Appl |
| 12 | 19.4 | 3.8 | 50 | 3 | US-09-548-260-33 Sequence 5392, Ap |
| 13 | 19.4 | 3.8 | 50 | 3 | US-10-131-827-5392 Sequence 121545, |
| 14 | 19.2 | 3.8 | 25 | 3 | US-09-396-1966-121545 Sequence 1279, Ap |
| 15 | 19.2 | 3.8 | 50 | 3 | US-10-131-827-1279 Sequence 6233, Ap |
| 16 | 19.2 | 3.8 | 50 | 3 | US-10-131-827-6377 Sequence 6377, Ap |
| 17 | 19.2 | 3.8 | 50 | 3 | US-09-367-293-12 Sequence 12, Appl |
| 18 | 18.8 | 3.7 | 34 | 3 | US-09-262-773-161 Sequence 161, App |
| 19 | 18.8 | 3.7 | 39 | 3 | US-09-358-972-233 Sequence 233, App |
| 20 | 18.8 | 3.7 | 42 | 3 | US-09-358-972-235 Sequence 235, App |
| 21 | 18.8 | 3.7 | 42 | 3 | US-09-430-615-23 Sequence 23, Appl |
| 22 | 18.8 | 3.7 | 42 | 3 | US-09-430-615-25 Sequence 25, Appl |
| 23 | 18.8 | 3.7 | 42 | 3 | US-09-790-417-233 Sequence 233, App |
| 24 | 18.8 | 3.7 | 42 | 3 | US-09-790-417-233 Sequence 233, App |

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|---|----|------|-----|----|---|--------------------|-------------------|
| C | 25 | 18.8 | 3.7 | 42 | 3 | US-09-790-417-235 | Sequence 235, App |
| C | 26 | 18.8 | 3.7 | 47 | 3 | US-09-671-317-646 | Sequence 646, App |
| C | 27 | 18.8 | 3.7 | 47 | 3 | US-09-422-978-657 | Sequence 657, App |
| C | 28 | 18.8 | 3.7 | 50 | 3 | US-10-131-827-6141 | Sequence 6141, Ap |
| C | 29 | 18.8 | 3.7 | 50 | 3 | US-10-131-827-6198 | Sequence 6198, Ap |
| C | 30 | 18.8 | 3.7 | 50 | 3 | US-10-131-827-6229 | Sequence 6229, Ap |
| C | 31 | 18.8 | 3.7 | 50 | 3 | US-10-131-827-6370 | Sequence 6370, Ap |
| C | 32 | 18.6 | 3.7 | 44 | 6 | PCT-US94-10617-17 | Sequence 17, Appl |
| C | 33 | 18.6 | 3.7 | 45 | 2 | US-08-171-389-322 | Sequence 322, App |
| C | 34 | 18.6 | 3.7 | 45 | 2 | US-08-123-936-322 | Sequence 322, App |
| C | 35 | 18.6 | 3.7 | 45 | 2 | US-08-475-228A-322 | Sequence 322, App |
| C | 36 | 18.6 | 3.7 | 45 | 3 | US-08-482-080A-322 | Sequence 322, App |
| C | 37 | 18.6 | 3.7 | 45 | 3 | US-09-354-947-322 | Sequence 322, App |
| C | 38 | 18.6 | 3.7 | 45 | 3 | PCT-US93-12388-322 | Sequence 322, App |
| C | 39 | 18.6 | 3.7 | 45 | 6 | US-09-993-346-322 | Sequence 322, App |
| C | 40 | 18.6 | 3.7 | 47 | 3 | US-09-671-317-964 | Sequence 964, App |
| C | 41 | 18.6 | 3.7 | 47 | 3 | US-09-422-978-1581 | Sequence 1581, Ap |
| C | 42 | 18.6 | 3.7 | 50 | 2 | US-08-420-443-2 | Sequence 2, Appl |
| C | 43 | 18.4 | 3.6 | 37 | 3 | US-08-853-217-25 | Sequence 25, Appl |
| C | 44 | 18.4 | 3.6 | 37 | 3 | US-09-326-157-9 | Sequence 9, Appl |
| C | 45 | 18.4 | 3.6 | 37 | 3 | US-09-326-157-10 | Sequence 10, Appl |

ALIGNMENTS

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RESULT 1
US-09-671-317-711
/ Sequence 711, Application US/09671317
/ Patent No. 6528260
/ GENERAL INFORMATION:
/ APPLICANT: Blumenfeld, Marta
/ APPLICANT: Chumakov, Ilya
/ APPLICANT: Bougueleret, Lydie
/ APPLICANT: Cohen, Amick
/ TITLE OF INVENTION: BIALLIIC MARKERS RELATED TO GENES INVOLVED IN DRUG METABOLISM
/ FILE REFERENCE: 62. US. CIP
/ CURRENT APPLICATION NUMBER: US/09/671,317
/ CURRENT FILING DATE: 2000-09-27
/ PRIOR APPLICATION NUMBER: US 09/536,178
/ PRIOR FILING DATE: 2000-03-23
/ PRIOR APPLICATION NUMBER: PCT/IB00/00403
/ PRIOR FILING DATE: 2000-03-24
/ PRIOR APPLICATION NUMBER: US 60/126,269
/ PRIOR FILING DATE: 1999-03-25
/ PRIOR APPLICATION NUMBER: US 60/131,961
/ PRIOR FILING DATE: 1999-04-30
/ NUMBER OF SEQ ID NOS: 977
/ SOFTWARE: Patent.pm
/ SEQ ID NO 711
/ LENGTH: 47
/ TYPE: DNA
/ ORGANISM: Homo Sapiens
/ FEATURE:
/ NAME/KEY: allele
/ LOCATION: 24
/ OTHER INFORMATION: 12-504-428 : polymorphic base G or C
US-09-671-317-711
Query Match 4.5%; Score 22.6; DB 3; Length 47;
Best Local Similarity 75.7%; Pred. No. 1.e+03;
Matches 28; Conservative 0; Mismatches 9; Indels 0; Gaps 0;
QY 62 AAATTTTATGCGCTTAAAGTTCCTCTACTCTCTTCT 98
Db 3 AAGTTATGATGCGCTTAAAGTTCCTCTCAAGAGTTCT 39
RESULT 2
US-09-422-978-66/c
/ Sequence 66, Application US/09422978
/ Patent No. 6537751
/ GENERAL INFORMATION:
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/ APPLICANT: Cohen, Daniel
/ APPLICANT: Blumenfeld, Marra
/ APPLICANT: Chumakov, Ilya
/ TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
/ FILE REFERENCE: GENSET.020CP1
/ CURRENT APPLICATION NUMBER: US/09/422,978
/ EARLIER FILING DATE: 1999-10-20
/ EARLIER APPLICATION NUMBER: US 09/298,850
/ EARLIER FILING DATE: 1999-04-21
/ EARLIER APPLICATION NUMBER: US 60/109,732
/ EARLIER FILING DATE: 1998-11-23
/ EARLIER APPLICATION NUMBER: US 60/082,614
/ EARLIER FILING DATE: 1998-04-21
/ NUMBER OF SEQ ID NOS: 11796
/ SEQ ID NO 66
/ LENGTH: 47
/ TYPE: DNA
/ ORGANISM: Homo Sapiens
/ FEATURE:
/ NAME/KEY: allele
/ LOCATION: 24
/ OTHER INFORMATION: 99-12652-459 : polymorphic base A or G
US-09-422-978-66

Query Match          4.2%; Score 21; DB 3; Length 47;
Best Local Similarity 63.8%; Pred. No. 3.8e+03;
Matches 30; Conservative 1; Mismatches 16; Indels 0; Gaps 0;

QY 42 AGCAGTCGATTTCTACTCGAAGAAATTTTGATGGCCTTAAGTCTCT 88
DB 47 AGGTTCAGTTTCCACAGAGTTTCTTAAGGGCTGTGAGTTCTCT 1

RESULT 3
US-10-131-827-7842/c
/ Sequence 7842, Application US/10131827
/ Patent No. 6905827
/ GENERAL INFORMATION:
/ APPLICANT: Wohlgenuth, Jay
/ APPLICANT: Fry, Kirk
/ APPLICANT: Woodward, Robert
/ APPLICANT: Ly, Ngoc
/ TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING AND MONITORING AUTOIMMUNE
/ TITLE OF INVENTION: CHRONIC INFLAMMATORY DISEASES
/ FILE REFERENCES: 50612000120
/ CURRENT APPLICATION NUMBER: US/10/131,827
/ CURRENT FILING DATE: 2002-09-06
/ PRIOR APPLICATION NUMBER: US 10/006,290
/ PRIOR FILING DATE: 2001-10-22
/ PRIOR APPLICATION NUMBER: US 60/296,764
/ PRIOR FILING DATE: 2001-06-08
/ NUMBER OF SEQ ID NOS: 9090
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 7842
/ LENGTH: 50
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-10-131-827-7842

Query Match          4.1%; Score 20.6; DB 3; Length 50;
Best Local Similarity 67.4%; Pred. No. 5.4e+03;
Matches 29; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

QY 265 GAAATGCCGGCGGCATCTTGATCGATGAGAGCTGCGCC 307
DB 45 GAAGTGCCCAACCAACATCTTGAGAGCTCTGTAGCAAGACC 3

RESULT 4
US-08-853-217-24
/ Sequence 24, Application US/08853217
/ Patent No. 5942395
/ GENERAL INFORMATION:
```

```
/ APPLICANT: Fournier, Maurille J.
/ APPLICANT: Samarsky, Dmitry A.
/ APPLICANT: Feybeyre, Gerardo
/ APPLICANT: Cedergren, Robert
/ TITLE OF INVENTION: HYBRID RIBOZYMES AND METHODS OF USE
/ NUMBER OF SEQUENCES: 33
/ CORRESPONDENCE ADDRESS:
/ ADDRESSER: Fish & Richardson P.C.
/ STREET: 225 Franklin Street
/ CITY: Boston
/ STATE: MA
/ COUNTRY: US
/ ZIP: 02110-2804
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette
/ COMPUTER: IBM Compatible
/ OPERATING SYSTEM: Windows95
/ SOFTWARE: FASTSEQ for Windows Version 2.0
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/853,217
/ FILING DATE: 09-MAY-1997
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER:
/ FILING DATE:
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Fasse, Peter J.
/ REGISTRATION NUMBER: 32,983
/ REFERENCE/DOCKET NUMBER: 07880/034001
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 617/542-5070
/ TELEFAX: 617/542-8906
/ TELEX: 200154
/ INFORMATION FOR SEQ ID NO: 24:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 48 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA
US-08-853-217-24

Query Match          4.0%; Score 20.2; DB 2; Length 48;
Best Local Similarity 68.3%; Pred. No. 7.1e+03;
Matches 28; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 460 GAGGAAAACAGACGAGAAATCTTGATGGCTTCACAGACA 500
DB 1 GTGAGAAACCGCGCGGATGATCTTCAATGGGTCAAAATGCA 41

RESULT 5
US-09-636-735A-6
/ Sequence 6, Application US/09636735A
/ Patent No. 6416956
/ GENERAL INFORMATION:
/ APPLICANT: Berg, Patricia
/ TITLE OF INVENTION: No. 6416956e1 Transcription Factor, BPI
/ FILE REFERENCE: 179,37405X00
/ CURRENT APPLICATION NUMBER: US/09/636,735A
/ CURRENT FILING DATE: 2000-08-11
/ NUMBER OF SEQ ID NOS: 25
/ SOFTWARE: PatentIn version 3.0
/ SEQ ID NO 6
/ LENGTH: 48
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: (1)..(48)
/ OTHER INFORMATION: synthesized oligonucleotide
US-09-636-735A-6
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Query Match 4.0%; Score 20.2; DB 3; Length 48;
Best Local Similarity 68.3%; Pred. No. 7.1e+03;
Matches 28; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 387 TCCCTGTGCAATTTATTTGAACGGATTACGATTGA 427
DB 2 TCTTTAATGATATTATTCTCAATATTAATAAAATTAGA 42

RESULT 6

US-09-422-978-337
Sequence 337, Application US/09422978
Patent No. 6537751
GENERAL INFORMATION:
APPLICANT: Cohen, Daniel
APPLICANT: Blumenfeld, Marca
APPLICANT: Chumakov, Ilya
TITLE OF INVENTION: Biallelic markers for use in constructing a high density...

FILE REFERENCE: GENSET.020CPI
CURRENT APPLICATION NUMBER: US/09/422,978
CURRENT FILING DATE: 1999-10-20
EARLIER APPLICATION NUMBER: US 09/298,850
EARLIER FILING DATE: 1999-04-21
EARLIER APPLICATION NUMBER: US 60/109,732
EARLIER FILING DATE: 1998-11-23
EARLIER APPLICATION NUMBER: US 60/082,614
EARLIER FILING DATE: 1998-04-21
NUMBER OF SEQ ID NOS: 11796
SEQ ID NO 337

LENGTH: 47
TYPE: DNA
ORGANISM: Homo Sapiens
FEATURE:
NAME/KEY: allele
LOCATION: 24
OTHER INFORMATION: 99-14343-408 : polymorphic base A or G
US-09-422-978-337

Query Match 3.9%; Score 19.8; DB 3; Length 47;
Best Local Similarity 63.8%; Pred. No. 9.6e+03;
Matches 30; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

QY 36 TTAATAAGCACTCAATTTCTACTCAGAAATTTTGATGGCTTAAGT 82
DB 1 TTATTAAAGCTTACTATGATACCGGAATATTCTAAGTCTTAAGT 47

RESULT 7

US-08-317-102-1
Sequence 1, Application US/08317102
Patent No. 5591841
GENERAL INFORMATION:
APPLICANT: Ji, Huamin
APPLICANT: Smith, Lloyd M
TITLE OF INVENTION: Rapid Purification of Plasmid DNA by
TITLE OF INVENTION: Triplex-Mediated Affinity Capture
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: Quarles and Brady
STREET: P.O. Box 2113

CITY: Madison
STATE: WI
COUNTRY: USA
ZIP: 53701

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/317,102
FILING DATE:
CLASSIFICATION: 536

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/004,374
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Seay, Nicholas J.
REGISTRATION NUMBER: 27,386
REFERENCE/DOCKET NUMBER: 90-460-9002-8
TELECOMMUNICATION INFORMATION:
TELEPHONE: 608-251-9166
TELEFAX: 608-251-9166

INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 48 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-317-102-1

Query Match 3.9%; Score 19.8; DB 2; Length 48;
Best Local Similarity 77.4%; Pred. No. 9.7e+03;
Matches 24; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 76 CTTAAGTCTCTACTCTTTCTATCCCTTC 106
DB 3 CTTAAGTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 33

RESULT 8

US-08-317-102-2/c
Sequence 2, Application US/08317102
Patent No. 5591841
GENERAL INFORMATION:
APPLICANT: Ji, Huamin
APPLICANT: Smith, Lloyd M
TITLE OF INVENTION: Rapid Purification of Plasmid DNA by
TITLE OF INVENTION: Triplex-Mediated Affinity Capture
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: Quarles and Brady
STREET: P.O. Box 2113
CITY: Madison
STATE: WI
COUNTRY: USA
ZIP: 53701

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/317,102
FILING DATE:
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/004,374
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Seay, Nicholas J.
REGISTRATION NUMBER: 27,386
REFERENCE/DOCKET NUMBER: 90-460-9002-8
TELECOMMUNICATION INFORMATION:
TELEPHONE: 608-251-9166
TELEFAX: 608-251-9166

INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 48 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

HYPOTHETICAL: NO
ANTI-SENSE: NO

Db 45 TGCAGATTTTGTAGTACCGGATCAGCTTGTGTTAAGGAGCGAGC 1

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RESULT 13
US-10-131-827-5392/c
; Sequence 5392, Application US/10131827
; Patent No. 6905827
; GENERAL INFORMATION:
; APPLICANT: Woblgemuth, Jay
; APPLICANT: Fry, Kirk
; APPLICANT: Woodward, Robert
; APPLICANT: Ly, Ngoc
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING AND MONITORING AUTOIMMUNE
; FILE REFERENCE: 506612000120
; CURRENT APPLICATION NUMBER: US/10/131,827
; PRIOR FILING DATE: 2002-09-06
; PRIOR APPLICATION NUMBER: US 10/006,290
; PRIOR FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: US 60/296,764
; PRIOR FILING DATE: 2001-06-08
; NUMBER OF SEQ ID NOS: 9090
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5392
; LENGTH: 50
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-131-827-5392

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Query Match 3.8%; Score 19.4; DB 3; Length 50;
Best Local Similarity 79.3%; Pred. No. 1.3e+04;
Matches 23; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
QY 363 TTTAAGGATGGCAGGAAAACAGATCTGT 391
DB 38 TTTAAGGCTGGAGGGGAAACAGATCTGT 10

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RESULT 14
US-09-396-196G-121545/c
; Sequence 121545, Application US/09396196G
; Patent No. 6821724
; GENERAL INFORMATION:
; APPLICANT: Michael Miltmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/09/396,196G
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: 60/100,678
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127806
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 121545
; LENGTH: 25
; TYPE: DNA
; ORGANISM: mus musculus
US-09-396-196G-121545

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Query Match 3.8%; Score 19.2; DB 3; Length 25;
Best Local Similarity 67.5%; Pred. No. 1.1e+04;
Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 369 GATGGCAGGAAAACAGATCTGT 392
DB 25 GAGGCTCAGGAAAAGAGATCTGT 2

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RESULT 15
US-10-131-827-1279/c

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; Sequence 1279, Application US/10131827
; Patent No. 6905827
; GENERAL INFORMATION:
; APPLICANT: Woblgemuth, Jay
; APPLICANT: Fry, Kirk
; APPLICANT: Woodward, Robert
; APPLICANT: Ly, Ngoc
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING AND MONITORING AUTOIMMUNE
; FILE REFERENCE: 506612000120
; CURRENT APPLICATION NUMBER: US/10/131,827
; PRIOR FILING DATE: 2002-09-06
; PRIOR APPLICATION NUMBER: US 10/006,290
; PRIOR FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: US 60/296,764
; PRIOR FILING DATE: 2001-06-08
; NUMBER OF SEQ ID NOS: 9090
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1279
; LENGTH: 50
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-131-827-1279

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Query Match 3.8%; Score 19.2; DB 3; Length 50;
Best Local Similarity 62.5%; Pred. No. 1.6e+04;
Matches 30; Conservative 0; Mismatches 18; Indels 0; Gaps 0;
QY 107 TACTAGTGTCTCCCGGATCCAGTACCGATTTCTATTCTTGCT 154
DB 48 TCTCTCTCATCTCTTGATTCGTACCGGTTTACATCTCTGCTT 1

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Search completed: December 1, 2005, 16:02:22
Job time : 156 secs